# Service Manual

TV/DVD/VCR Combination



PbF Solder Lead free PV-DF205 PV-DF2035 PV-DF275 PV-DF2735 PV-DF2035-K PV-DF2735-K

For servicing the R4-Mechanism Chassis for PV-Model, Please refer to the R4-Mechanism-Chassis-for-PV-Model Service Manual (Order No. MKE0401000C1).

ITE	EM	SPECIFICATION	1	2	ITI	ΞМ	SPECIFICATION	1	2	
	Video	Head: 4 rotary heads helical scanning system  Input Level: VIDEO IN Jack (Phono type) 1.0 Vp-p 75 Ω unbalanced Output Level: VIDEO OUT Jack (Phono type) 1.0 Vp-p 75 Ω unbalanced Signal-to-Noise Ratio: SP: more than 43 dB LP/SLP: more than 41 dB		1		(1) DVD disc (DVD-Video, DVD-R): 12 cm (5 inch) single-sided, single-layer 12 cm (5 inch) single-sided, double-layer 12 cm (5 inch) double-sided, double-layer (one layer per side) 8 cm (3 inch) single-sided, single-layer				
		Head: Normal Mono: 1 stationary head Hi-Fi Stereo: 2 rotary heads Input Level: AUDIO IN Jack (Phono type) -10 dBy 50 kΩ unbalanced Output Level: AUDIO OUT Jack (Phono type) -8 dBv 1 kΩ unbalanced	+		-	Discs Played	8 cm (3 inch) double-sided, double-layer (one layer per side)		0	
	Audio	Frequency Response: Normal Mono: SP: 100 Hz ~ 8 kHz SLP: 100 Hz ~ 5 kHz Hi-Fi Stereo: SP/LP/SLP: 20 Hz ~ 20 kHz	0				12 cm (5 inch) 9.4 GB (double-sided) and 4.7 GB (single-side 8 cm (3 inch) 2.8 GB (double-sided) (3) Compact disc (CD-DA, Video CD, CD-R, CD-RW): 12 cm (5 inch) disc, 8 cm (3 inch) disc			
VCR		Signal-to-Noise Ratio: Normal Mono: SP: more than 42 dB SLP: more than 40 dB Hi-Fi Stereo: SP/SLP: more than 60 dB	0	0		Digital Audio Output	Optical digital output: Optical connector			
		Wow and Flutter: Normal Mono: SP: Less than 0.2 % WRMS SLP: Less than 0.4 % WRMS Hi-Fi Stereo: SP/SLP: Less than 0.015 % WRMS	0	0	)	Pickup	Wavelength: 655 nm (DVD), 790 nm (CD) Laser power: CLASS II		0	
		Broadcast Channels: VHF 2 ~ 13, UHF 14 ~ 69 CABLE Channels: Midband A through I (14 ~ 22) Superband J through W (23 ~ 36)	+	00			Source: 120 V AC±12 V AC, 60 Hz±3 Hz	_	0	
			0			Power	Consumption: Approx. 112 W (Power on), Approx. 0.8 W (Power off) Approx. 132 W (Power on), Approx. 0.8 W (Power off)	0	- 0	
	Tuner					Television System	EIA Standard (525 lines, 60 fields) NTSC Color Signal	c		
		Special CABLE channel 5A (01) Ultraband 65 ~ 94, 100 ~ 125			05115041	Speaker	2 pieces 3 W 2 pieces 5 W	0	- - 0	
	Tape Speed	SP: 1-5/16 i.p.s (33.35 mm/s), SLP: 7/16 i.p.s (11.12 mm/s) Record/Playback Time: 8 hr. with 160 min. type tape used in SLP mode	0		GENERAL	l Operating	5 °C ~ 35 °C (41 °F ~ 95 °F) (Temperature) 10 % ~ 75 % (Humidity)	С	0	
	Tape Format	Tape width 12.7 mm (1/2 inch) high density tape	0		)	Weight	28 kg (61.7 lbs.) 48 kg (105.8 lbs.)	0	-0	
	Picture	20 inch, measured diagonal pure flat Picture Tube 27 inch, measured diagonal pure flat Picture Tube	0		-	Dimension (W x H x D)	604 mm x 520 mm x 496 mm (23-3/4 inch x 20-1/2 inch x 19-1/2 inch) 760 mm x 642 mm x 502 mm (29-7/8 inch x 25-1/4 inch x 19-3/4 inch)	0	) — - 0	
ואסו בעו	Tube	27 inch, measured diagonal pure flat Picture Tube	-	-0	)	Solder	This model uses lead free solder (PbF).	С	0	

- 1. PV-DF2035/ PV-DF2035-K/ PV-DF205
- 2. PV-DF2735/ PV-DF2735-K/ PV-DF275

Weight and dimensions shown are approximate. Designs and specifications are subject to change without notice.



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### **⚠ WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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### 1 SAFETY PRECAUTIONS

### 1.1. GENERAL GUIDELINES

#### 1. IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  $\triangle$  in the Schematic Diagrams, Circuit Board Layout, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

- 2. An Isolation Transformer should always be used during the servicing of Combination DVD VCR whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect Combination DVD VCR from being damaged by accidental shorting that may occur during servicing.
- 3. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- 4. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shield, and isolation R-C combinations are properly installed.
- 5. Before turning the receiver on, measure the resistance between B+ line and chassis ground. Connect (-) side of an ohmmeter to the B+ lines, and (+) side to chassis ground. Each line should have more resistance than specified, as follows:

B+ Line Minimum Resistance 130 V 110  $\Omega$  (Cold chassis ground) 28 V 180  $\Omega$  (Cold chassis ground) 220 V 1  $k\Omega$  (Cold chassis ground)

- 6. When the TV set is not used for a long period of time, unplug the power cord from the AC outlet.
- 7. Potentials, as high as 33.0 kV (For model with 20 inch CRT), 33.0 kV (For model with 27 inch CRT) are present when this TV set is in operation. Operation of the TV set without the rear cover involves the danger of a shock hazard from the TV set power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the CRT ground of receiver before handling the tube.
- After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

### 1.2. LEAKAGE CURRENT COLD CHECK

- 1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 2. For physically operated power switches, turn power on. Otherwise skip step 2.
- 3. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screwheads, connectors, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 M $\Omega$  and 12 M $\Omega$ . When the exposed metal does not have a return path to the chassis, the reading must be infinity.

### 1.3. LEAKAGE CURRENT HOT CHECK

- Plug the AC cord directly into the AC outlet.
   Do not use a isolation transformer for this check.
- 2. Connect a 1.5 k $\Omega$ , 10 W resistor, in parallel with a 0.15  $\mu F$  capacitor, between each exposed metallic part on the set and a good earth ground, as shown in Figure 1.
- 3. Use an AC voltmeter, with 1 k $\Omega$ /V or more sensitivity, to measure the potential across the resistor.
- 4. Check each exposed metallic part, and measure the voltage at each point.
- Reverse the AC plug in the AC outlet and repeat each of the above measurements.
- 6. The potential at any point should not exceed 0.75 V RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks. Leakage current must not exceed 1/2 mA. In case a measurement is outside of the limits specified, there is a possibility of shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

### Hot-Check Circuit

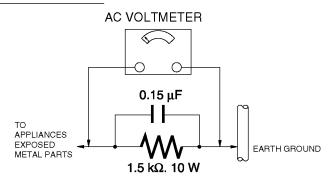


Figure 1

### 2 X-RADIATION

#### **WARNING:**

- The potential source of X-Radiation in TV sets is the High Voltage section and the picture tube.
- 2. When using a picture tube test fixture for service, ensure that the fixture is capable of handling 33.0 kV (For model with 20 inch CRT), 33.0 kV (For model with 27 inch CRT) without causing X-Radiation.

#### NOTE:

It is important to use an accurate periodically calibrated high voltage meter.

- 1. Reduce the brightness to minimum.
- 2. Set the SERVICE switch to SERVICE.
- Measure the High Voltage. The meter reading should indicate 28.0 kV±1.5 kV (For model with 20 inch CRT), 31.0 kV±2.0 kV (For model with 27 inch CRT).

If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.

To prevent an X-Radiation possibly, it is essential to use the specified picture tube.

### 2.1. HORIZONTAL OSCILLATOR DISABLE CIRCUIT TEST

#### SERVICE WARNING:

The test must be made as a final check before set is returned to the customer.

### **CONFIRMATION OF X-RAY MOVEMENT**

- 1. Turn off TV set.
- Connect the circuit below between TP554 and TP553 on the Deflection C.B.A.

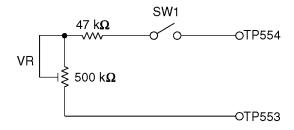


Figure 2

- 3. Turn on SW1 and then turn on the set. Confirm that the picture is on the screen properly.
- 4. Confirm that the picture goes out of horizontal sync while getting down by varying VR.
- 5. If this does not occur, it means that X-ray protect circuit is not operating. Further confirmation and repair is required.

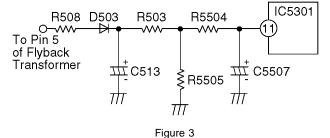
# 2.2. REPAIR PROCEDURES OF HORIZONTAL OSCILLATOR DISABLE CIRCUIT

- Connect a DC voltmeter between capacitor C513 (+) on the Main circuit board and chassis ground.
- 2. If approximately +21.5 V (For model with 20 inch CRT), +20.0 V (For model with 27 inch CRT) is not present at that point when 120 V AC is applied, find the cause. Check R508, R503, R5504, R5505, D503, C513 and C5507.
- Carefully check above specified parts and related circuits and parts. When the circuit is repaired, try the horizontal oscillator disable circuit test again.

### 2.3. CIRCUIT EXPLANATION

### 2.3.1. HORIZONTAL OSCILLATOR DISABLE CIRCUIT

The positive DC voltage, supplied from the D503 cathode for monitoring high voltage, is applied to the IC5301 Pin11 through R508, R503 and R5504. Under normal conditions, the voltage at IC5301 Pin 11 is less than approx. 6 V. If the high voltage at Flyback Transformer Pin 5 exceeds the specified voltage, the positive DC voltage which is supplied from the D503 cathode also increases. The increased voltage is applied to IC5301 Pin11 through R508, R503 and R5504. Due to the increased voltage at IC5301 Pin11, the horizontal oscillator frequency increases, the picture goes out of horizontal sync, the beam current decreases and the picture become dark in order to keep X-radiation under specification.



### 2.4. LASER PRODUCT

### **CLASS I LASER PRODUCT**

 This equipment is certified to comply with DHHS Rules 21 CFR Chapter 1, Subchapter J in effect as of date of manufacture. (Only for U.S.A.)

This equipment is classified as a Class I (Class 1) level LASER Product and there is no hazardous LASER radiation with the safety protection.

#### Caution:

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Never touch the internal parts in order to avoid EXPOSURE TO VISIBLE LASER RADIATION.

Unplug the AC power cord to the equipment when opening the top cover.

When the power switch is On, do not place your eyes close to the front panel opening door or the other openings to look into the interior unit.

### **LASER Specification**

Class I level A LASER Product (Class 1 level A LASER Product)

Wave Length: 640 - 677 nm (at DVD)

770 - 810 nm (at CD)

Laser Power: No hazardous radiation is emitted with

the safety protection.

### 2.5. PRECAUTION OF LASER DIODE

### **CAUTION:**

This unit utilizes a class III a laser. Visible laser radiation is emitted from the optical pickup lens when the unit is turned on:

- 1. Do not look directly into the pickup lens.
- 2. Do not use optical instruments to look at the pickup lens.
- 3. Do not adjust the preset variable resistor on the optical pickup.
- 4. Do not disassemble the optical pickup unit.
- 5. If the optical pickup is replaced, use the manufactures specified replacement pickup only.
- Use of control or adjustment or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### 3 PREVENTION OF ELECTROSTATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors are semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

- 1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

#### CAUTION:

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

### "NOTE to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

### 4 ABOUT LEAD FREE SOLDER (PbF)

### **Distinction of PbF PCB:**

PCBs (manufactured) using lead free solder will have a PbF printing on the PCB. (Please refer to figures.)



Printed case

#### **CAUTION:**

- Pb free solder has a higher melting point than standard solder;
   Typically the melting point is 50 °F 70 °F (30 °C 40 °C) higher.
   Please use a soldering iron with temperature control and adjust it to 700 °F±20 °F (370 °C± 10 °C).
   In case of using high temperature soldering iron, please be carefull not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100 °F/600 °C).
- All products with the printed circuit board with PbF stamp or printing must be serviced with lead free solder.
   When soldering or unsoldering, completely remove all of the solder from the pins or solder area, and be sure to heat the soldering points with the lead free solder until it melts sufficiently.

#### Recommendations

Recommended lead free solder composition is Sn96.5 Ag3.0 Cu0.5.

### 5 SERVICE NOTES (PLEASE READ)

### 5.1. SERVICE NOTES

### 5.1.1. SELF-DIAGNOSIS INDICATION DISPLAY

Simplified Self-Diagnostic System facilitates finding the cause of the fault. The following data will be displayed on the TV screen.

The Error Code data is stored in the Memory IC (IC6004) (latest error only). This data is cleared after it is displayed, and then the POWER button is pressed back on.

1. With power turned off, press FF and REW buttons on the unit together for over 3 seconds.

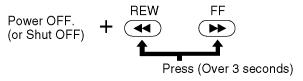


Fig. 1-1

2. TV power comes on and the unit goes into service mode. The following codes will be displayed.

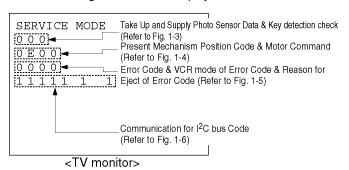


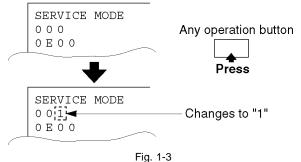
Fig. 1-2



### Take Up and Supply Photo Sensor Data

Explanation of Codes			No.
Take Up and Supply Photo Sensor Data No light detected at either sensor. Take Up Photo Sensor detected at beginning of tape. Supply Photo Sensor detected at end of tape. Light detected at both sensors.	0 1 0 1	0011	

### Key detection check



#### Note:

Press any operation button except for POWER or PLAY (DVD) on either the unit, or DVD key on the remote to detecet that a key has been pressed. The 3rd digit changes to "1" only when key is detected.

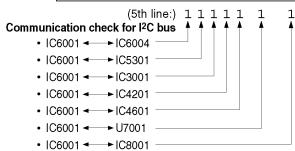


Explanation of Codes			e N	0.	
Present Mechanism Position Code	00000000000	E23456789CF			
Explanation of Codes			e No.		
Motor Command Cylinder OFF /Capstan OFF Cylinder OFF /Capstan ON (FWD) Cylinder OFF /Capstan OFF Cylinder OFF /Capstan ON (REV) Cylinder ON /Capstan OFF Cylinder ON /Capstan ON (FWD) Cylinder ON /Capstan OFF Cylinder ON /Capstan OFF Cylinder ON /Capstan ON (REV)			012389 <b>A</b> B		
Loading Motor OFF     Loading     Unloading     Loading Motor Brake				0 1 2 3	

Fig. 1-4



Error Code						
Explana Error condition	tion of Codes Remedy/Check	С	od	e N	۱o.	
No Error	nemedy/Check	_				
CYL PFG pulse can not be detected when the Cylinder starts.	Please check the Cylinder motor, Cylinder drive circuit and CYL PFG signal circuit.	0	1			
CAP FG pulse can not be detected during the Mechanism Initial operation (Tape rewinding by the S- Reel) at DOWN position.	Please check the Capstan motor, Capstan drive circuit and CAP FG signal circuit	0	2			
Loading Lock during Loading operation at DOWN position.	Please check the Mechanism, Loading Motor, Drive circuit, Drive control signal circuit, Mode Select SW and the Mode Select SW input signal circuit.	0	3			
Loading Lock during Unloading operation at DOWN position.	Please check the Mechanism, Loading Motor, Loading Motor drive circuit, Loading motor drive control signal circuit, Mode Select SW and the Mode Select SW input signal circuit.	0	4			
S-reel pulse can not be detected during Unloading operation.	Please check the Mechanism S- reel system, S-reel sensor, S- reel sensor input signal circuit, Capstan motor, Capstan motor drive circuit, Capstan control signal circuit, and so on.	0	5			
Loading (cassette) Lock during Cassette Up operation.	Please check the Mechanism, Loading motor, Loading motor drive circuit, Loading motor drive control signal circuit, Mode Select SW and the Mode Select SW input signal circuit.	0	6			
Head clog detection.	Clean the Cylinder Head.	1	1			
The position signal from Mode Select SW can not be detected.	Check Mode Select SW contact.	1	4			
CAP FG pulse can not be detected during Cassette in operation.	Please check the Capstan motor, Capstan motor drive circuit and the CAP FG signal circuit.	1	5			
Cylinder Lock	Please check the Cylinder motor, Cylinder motor drive circuit and the CYL HSW signal circuit.	1	6			
S-reel Lock.	Please check Mechanism S-reel system, S-reel sensor, S-reel sensor input signal circuit, Capstan motor, Capstan motor drive circuit, Capstan control signal circuit, and so on.	1	7			
T-reel Lock.	Please check Mechanism T-reel system, T-reel sensor, T-reel sensor input signal circuit, Capstan motor, Capstan motor drive circuit, Capstan control signal circuit, and so on.	1	8			
Eject operation due to error condition.	Please check the Cassette tape, S-photo sensor, S-reel and Capstan system.	8	0			
Disc Motor of DVD Mechanism Unit error	Please check the Disc Motor of DVD Mechanism Unit, and confirm the DVD Service Mode II.	9	0			
VCR mode of Err • STOP • EJECT • REW • FF • REV • CUE • SLOW • POWER OFF • PLAY • STILL • REC • REC PAUSE	or Code			0123456789 <b>A</b> B		
Reason for Eject of Error Code  No reason.  Cassette tape is off from S-Post at DOWN position.  Capstan motor can not rotate.  Mechanism Lock during Loading operation					0 1 2 3	
at DOWN positi				<b>1</b>		
Both ends of tape position.     No reason.	oe is detected at DOWN				4 C	



Explanation of Codes		C	ò	de	N	о.			
Communication check for I²C bus (IC6001 <b>≺-≻</b> IC6004) <b>NG</b> <b>OK</b>									
Communication check for I²C bus (IC6001 <b>∢→</b> IC5301) <b>NG</b> <b>OK</b>		0							
Communication check for I²C bus (IC6001 <b>≺→</b> IC3001) <b>NG</b> <b>OK</b>			0						
Communication check for I²C bus (IC6001 <b>∢→</b> IC4201) <b>NG</b> <b>OK</b>				0					
Communication check for I²C bus (IC6001←► IC4601) NG OK					0				
Communication check for I²C bus (IC6001◄➤ U7001) NG OK							0		
Communication check for I²C bus (IC6001 <b>≺→</b> IC8001) <b>NG</b> <b>OK</b>									0 1

Fig. 1-6

#### 5.1.2. USAGE SCREEN MODE

This function is displayed on the TV monitor:

- · the total AC plugged in AC socket (in days)
- · the total elapsed "Cylinder rotation" time (in hours)
- · the total elapsed "DVD play" time (in hours).
- 1. With power turned and no cassette, press STOP/EJECT button on VCR and 7 key on remote together.

The USAGE SCREEN will be displayed on the TV Monitor.

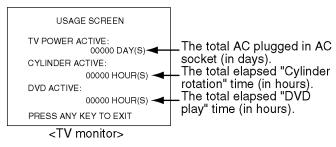


Fig. 2

#### Note:

- After replacing the Cylinder Unit, press COUNTER RESET button on remote in this mode. Only Total elapsed "Cylinder rotation" time (in days) will be cleared to 0.
- After replacing the DVD Unit, press ADD/DLT button on remote in this mode. Only Total elapsed time "DVD Play" time (in hours) will be cleared to 0.
- To release from Usage Screen Mode, press any operation button on VCR or insert a cassette tape in this mode. VCR will return to normal operation mode.

### 5.1.3. GROUNDING FOR ELECTROSTATIC BREAKDOWN

#### Prevention

1. Human body grounding

Use the antistatic wrist strap to discharge the static electricity from your body.

2. Work table grounding

Put a conductive material (sheet) or steel sheet on the area where the optical pickup is placed and ground the sheet.

#### Caution:

The static electricity of your clothes will not be grounded through the wrist strap. So take care not to let your clothes touch the optical pickup.

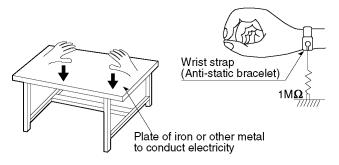
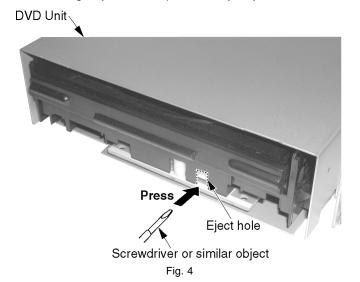


Fig. 3

### 5.1.4. METHOD FOR EJECTING THE DVD TRAY MANUALLY

- 1. Insert a Screwdriver or similar object into the Eject hole.
- 2. Press it gently, and then pull the Tray fully out.



### 5.1.5. DVD SERVICE MODE

This unit has a Self-Diagnostic function which detects a problem or malfunction within the unit and displays on the TV screen.

### 5.1.5.1. How to enter DVD Service Mode

- 1. Set the unit to DVD mode.
- Press and hold STOP/EJECT, PLAY, and VOL buttons of VCR operation panel of the unit together for over 5 seconds with no cassette inserted. The adjustment overlay will appear on the TV screen.

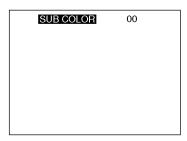


Fig. 5-1

3. Press DISPLAY key on the remote control to enter the DVD Service Mode I.

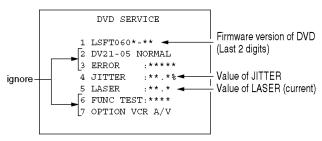


Fig. 5-2

Press the LEFT or RIGHT key on the remote again to enter DVD Service Mode II.

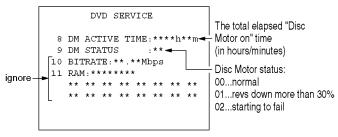


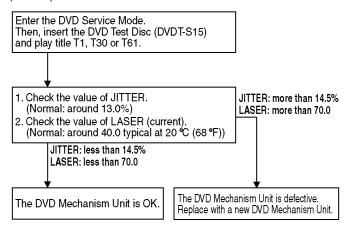
Fig. 5-3

#### Note:

- a. After replacing the DVD Unit, press the CLEAR key on the remote in this mode. The total elapsed "Disc Motor on" time (in hours/minutes) will be cleared to 0.
- b. If 01 or 02 is always displayed in 9 DM STATUS, replace the DVD Unit because the Disc Motor is defective.
- 5. To confirm the value of JITTER and the value of LASER (current), insert the DVD Test Disc into the DVD Unit.
- 6. To release from this mode, turn off the power.

### 5.1.5.2. Troubleshooting hint (standard) for this mode

It can be determine if the DVD Mechanism Unit is defective by checking the value of JITTER and the value of LASER (current).



### 5.1.6. SERVICE POSITION

Service Position	Purpose				
Service Position (1)	Main C.B.A. check				
Service Position (2)	DVD Main C.B.A. check Mechanism check Mechanical adjustment Electrical adjustment				
Service Position (3)	Main C.B.A. check Deflection C.B.A. check				

#### CAUTION:

 HOT CIRCUIT (Primary circuit) exists on the Main C.B.A.

Use extreme care to prevent accidental shock when servicing.

2. Before connecting the AC plug, be sure to confirm the connection between the Connector P502 on the Deflection C.B.A. and P851/P852 on the Main C.B.A. Otherwise, some electrical parts may be damaged due to a sudden power surge.

#### Note:

When carrying out loading of the cassette tape, if light is strong, a tape may not carry out loading. Please shade a Mechanism top or weaken lighting.

# 5.1.6.1. How to obtain Service Position for Combination DVD VCR models

To obtain these Service Positions, the 2 Extension Cables 13P (LSUA0047) and 16P (LSUA0048) are necessary.

### 5.1.6.1.1. Service Position (1)

1. Remove the Rear Cover. Then, pull the VCR/DVD Ass'y out and place it upright.



Fig. 6-1

### 5.1.6.1.2. Service Position (2)

 Remove the Rear Cover. Then, turn the VCR/DVD Ass'y to the right. 2. Connect the DVD Main C.B.A. using the Extension Cable 16P

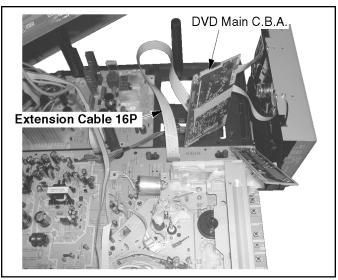


Fig. 6-2

### **5.1.6.1.3.** Service Position (3)

- 1. Remove the Rear Cover. Then, pull out the VCR/DVD Ass'y.
- 2. Place the Deflection C.B.A. and the Main C.B.A. upright. Then, connect them using the Extension Cable 13P.

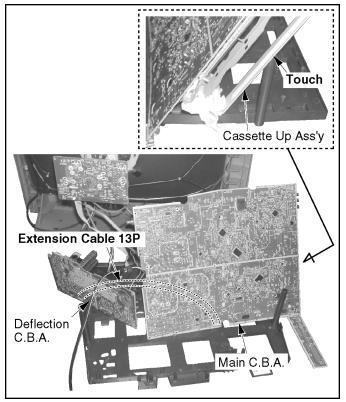


Fig. 6-3

#### Note:

It is possible that the S-Tab SW. may not work correctly in Service Positions (3). (Recording can not be done). In this case, short the S-Tab SW. Pins on the foil side of Main C.B.A. to turn this SW. on.

# S-Tab SW. Pins (Short)

Alternative method: Cover the S-Tab SW. with masking tape.

### 5.1.7. HOT CIRCUIT

Primary circuit exists on the Main C.B.A.

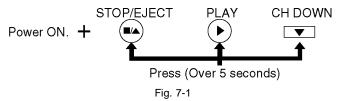
This circuit is identified as " **HOT** " on the C.B.A. and in the Service Manual. Use extreme care to prevent accidental shock when servicing.

### 5.1.8. SERVICE MODE

In order to inhibit detection of the Supply & Takeup Photo Transistors, Reel Sensor, and Cylinder Lock can be inhibited. In this mode, Mechanism movement can be confirmed. When removing Cassette Up Ass´y, it can be confirmed without a cassette.

To enter Service Mode:

Press and hold STOP/EJECT, PLAY and CH DOWN buttons on the unit together over 5 seconds in power on condition. The unit goes into Service Mode.

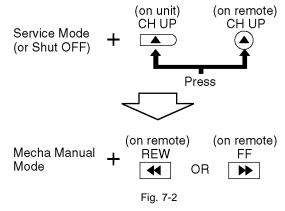


To release from this mode, disconnect AC Plug.

### 5.1.9. MECHA MANUAL MODE

In shut off condition or in Service Mode, press the CH UP on the unit and CH UP buttons on the remote together without a cassette.

In this mode, Loading or Unloading operation can be confirmed by pressing the REW/SLOW or FF/SLOW button on the remote.



To release from this mode, disconnect AC Plug.

#### Note:

When Loading with no cassette tape, push the portion (A)on Cassette Holder Unit so that the Sefety Lever clear the 2 Tabs as show in below.

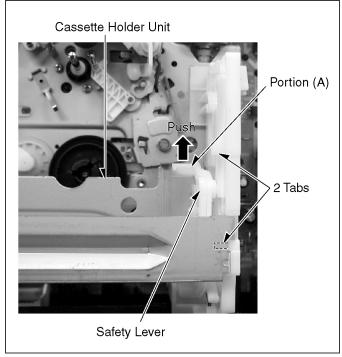


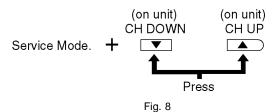
Fig. 7-3

### 5.1.10. TRACKING CENTER MODE (TRACKING FIX AT CENTER)

Insert the Cassette tape. Set the unit into Service Mode.

Press CH UP on the unit and CH DOWN buttons on the remote together in play back mode.

In this mode, the tracking is fixed at center. (Auto tracking and manual tracking functions are not operational.)



### 5.1.11. DEFEATING THE AUTO TRACKING

To defeat the Auto Tracking Function, place the instrument in the STOP mode and place a jumper between TP6003 and TP6009 on the Main C.B.A. The tracking will be placed in the neutral position.

### 5.1.12. CAUTION FOR INSTALLATION OF VCR/DVD ASS'Y

### **CAUTION:**

Opener Lever may be damaged when VCR/DVD Ass'y is installed, with Cassette Door-Lid and Opener Lever of Cassette Up Ass'y set incorrectly.

### Install the VCR/DVD Ass'y as follows:

- 1. Swing the Cassette Door-Lid all the way open until the Cassette Door tab clears the Opener Lever.
- Make sure that all guide tabs are aligned properly. Then, press the VCR/DVD Ass'y straight in.

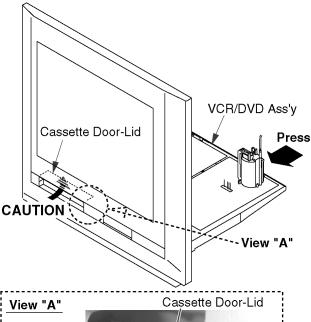




Fig. 9

### 5.1.13. F.F.C. CONNECTION NOTE

### 5.1.13.1. F.F.C. between the Mechanism and the Main C.B.A.

Be careful with the direction of F.F.C.s to connectors as shown.

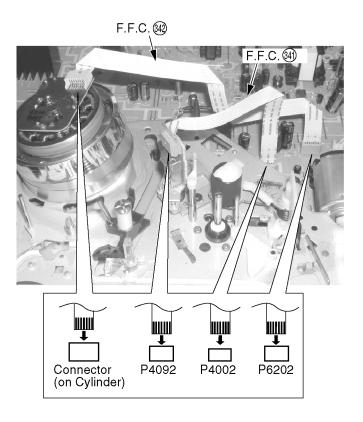


Fig. 10

# 5.1.13.2. F.F.C. between the DVD Unit (DVD Main C.B.A.) and the Main C.B.A.

Be careful with the direction of F.F.C. to connector as shown.

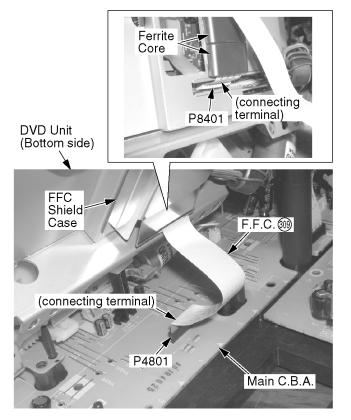


Fig. 11

### 5.1.14. WIRE AND LEAD POSITION DIAGRAM

After servicing, make sure that all wires, leads, and clampers are placed in their original position. It is important for the best operation of the unit.

### Note:

No lead wires or flat cables should touch any heating parts or the Heat Sink Plate. Use extreme care especially for followings.

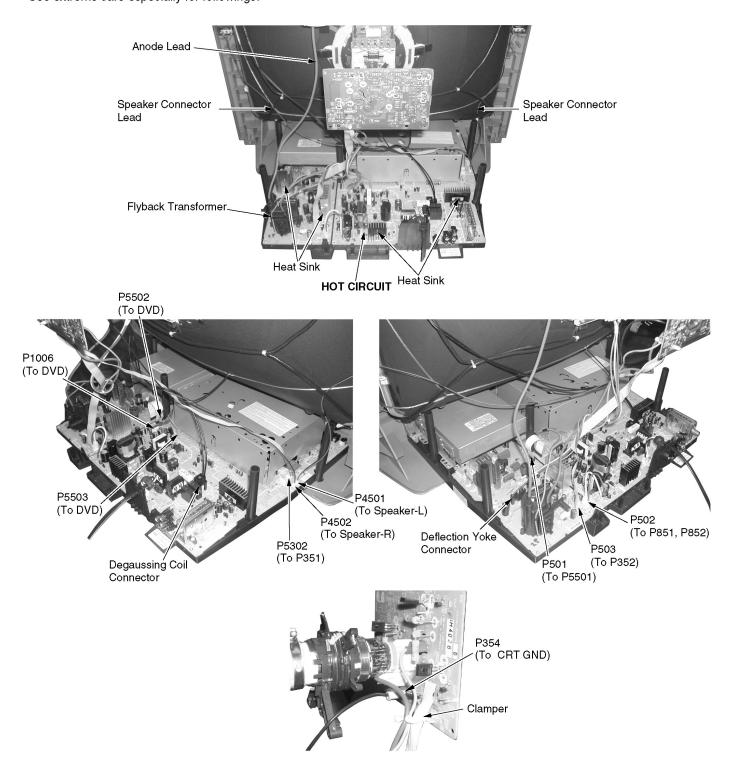


Fig. 12

### 5.1.15. HOW TO SET TRACKING TO THE NEUTRAL POSITION

Ejecting the cassette tape and then reinserting it will reset the tracking to the Neutral position.

### 5.1.16. BLACK SCREWS ON THE CHASSIS

Black Screws are used on the Mechanism Chassis to identify screws that require adjustment.

# 5.1.17. HOW TO RESET ALL COMBINATION DVD VCR MEMORY FUNCTIONS

To reset (clear) the select language, channel auto set and set clock functions to their initial power on condition (power on, no cassette inserted), hold down the PLAY and FF buttons of VCR operation panel on the unit together for more than 5 seconds. Power will shut off.

### 5.1.18. HOW TO CONFIRM AUTO CLOCK SET FEATURE

- Connect an RF cable from the output of one unit to the input of the test unit.
- 2. Select corresponding RF channels.
- Playback a recording of P.B.S. channel including clock set data and confirm this feature.

### 5.1.19. VARIABLE VOLTAGE ISOLATION TRANSFORMER

An Isolation Transformer should always be used during the servicing of Combination DVD VCR whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect Combination DVD VCR from being damaged by accidental shorting that may occur during servicing.

Also, when troubleshooting the above type of Power Supply Circuit, a variable isolation transformer is required in order to increase the input voltage slowly.

### 5.1.20. SPECIAL NOTE

All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.

### 5.1.21. MODEL NO. IDENTIFICATION MARK

Use Marks shown in the chart below to distinguish the different models included in this Service Manual.

MODEL	MARK
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	E
PV-DF275	F
Not Used	PT
PV-DF2735-K PV-DF275	E F

#### Note

Refer to Item 3 of Schematic Diagram Notes of Schematic Diagram and Circuit Board Layout Notes, for mark "PT."

### 6 DISASSEMBLY/ASSEMBLY PROCEDURES

### 6.1. CABINET SECTION

### 6.1.1. Disassembly Flowchart

Perform all disassembly procedures in the order described in the "Disassembly Flowchart" shown below.

When reassembling, use the reverse procedure.

### **CAUTION:**

- 1. Disconnect AC plug before disassembly.
- 2. Before connecting the AC plug, be sure to confirm the connection between the Connector P502 on the Deflection C.B.A. and P851/P852 on the Main C.B.A. Otherwise, some electrical parts may be damaged due to a sudden power surge.

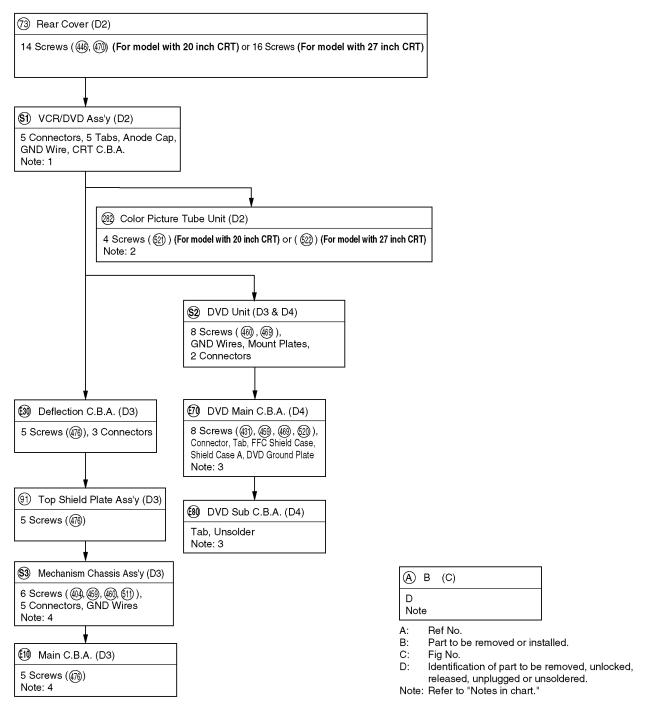


Fig. D1

Note: Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.

IMPORTANT SAFETY NOTICE

COMPONENTS IDENTIFIED BY THE SIGN A HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

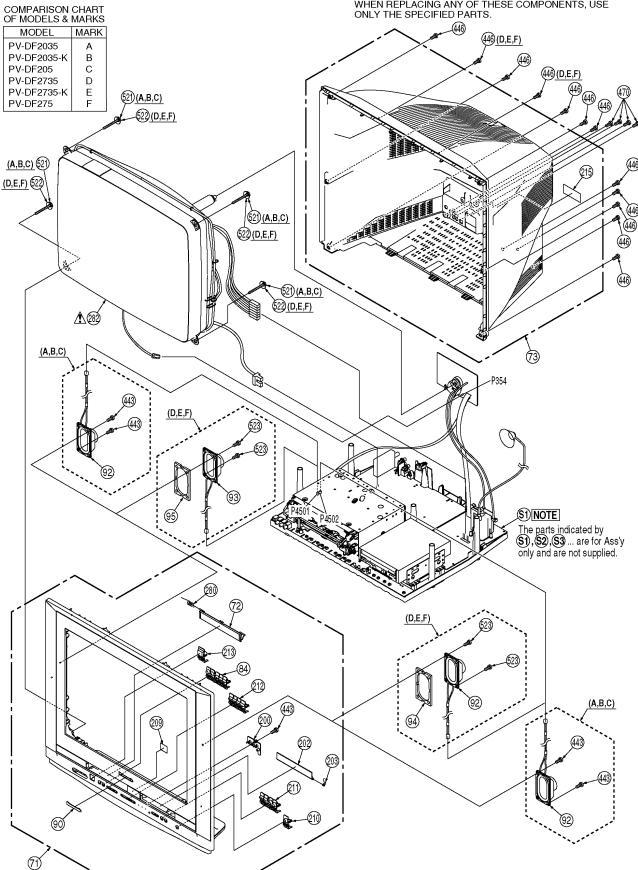


Fig. D2

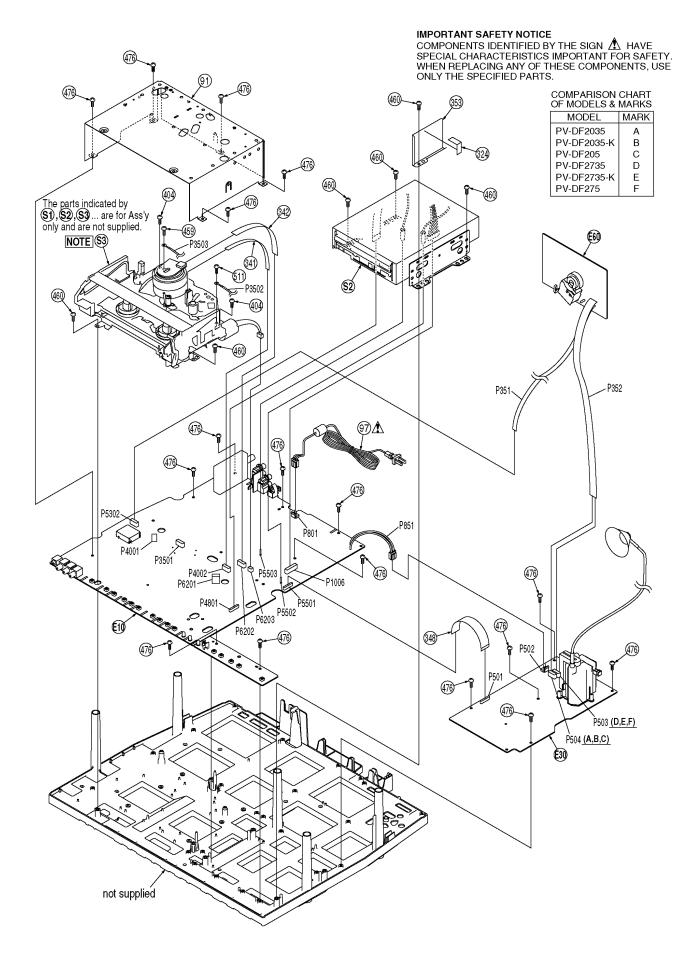
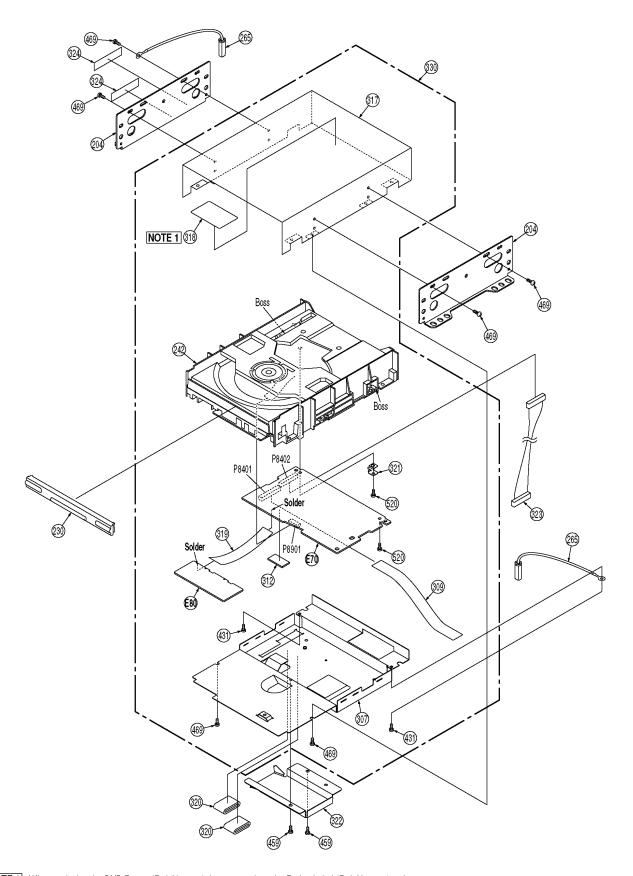


Fig. D3



NOTE 1: When replacing the DVD Frame (Ref. No. 317), be sure to place the Rating Label (Ref. No. 318) on it.

Fig. D4

### **6.1.1.1.** Notes in chart

### 1. Removal of VCR/DVD Ass'y

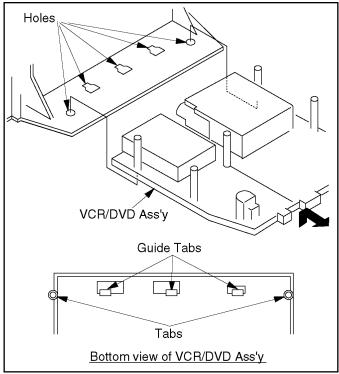


Fig. D5

### Installation of VCR/DVD Ass'y

### **CAUTION:**

Opener Lever may be damaged when VCR/DVD Ass'y is installed, with Cassette Door-Lid and Opener Lever of Cassette Up Ass'y set incorrectly.

- a. When installing the VCR/DVD Ass'y, swing the Cassette Door-Lid all the way open until the Cassette Door tab clears the Opener Lever.
- b. Make sure that all guide tabs are aligned properly.

Then, press the VCR/DVD Ass'y straight in.

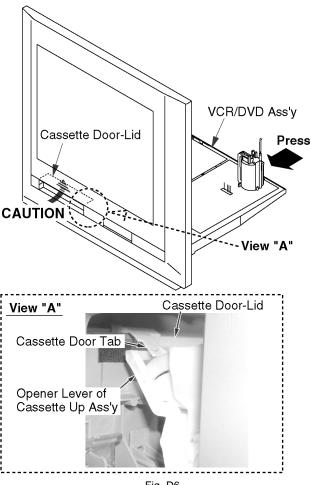


Fig. D6

### 2. Removal of Color Picture Tube Unit

Place the Unit face down on a soft cloth before removing the Color Picture Tube Unit.

### 3. Removal of DVD Sub C.B.A.

- a. Remove solder portions "a, b, c, d, e, f, g, h, i, j" on the DVD Sub C.B.A.
- b. Remove the DVD Sub C.B.A. while releasing the Locking Tab.

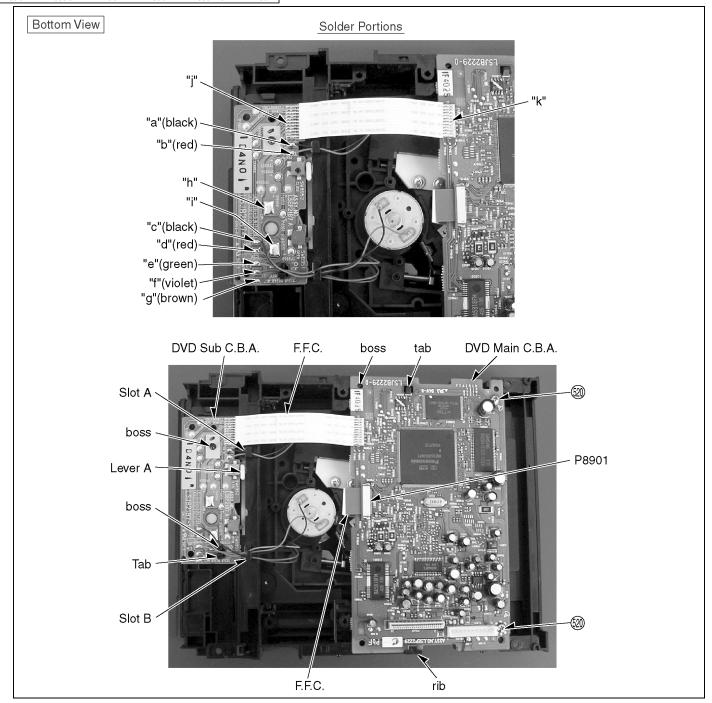
### Installation of DVD Main C.B.A. and DVD Sub C.B.A.

- a. Confirm that the Lever A is positioned as shown, and install the DVD Sub C.B.A. with the Locking Tab and 2 bosses.
- b. Install the DVD Main C.B.A. with the Locking Tab and the rib.
- c. Pass the leads through the slots A and B.
- d. Solder portions "a, b, c, d, e, f, g, h, i, j, k" on the C.B.A.

### Note:

Solder portions "h" and "i" while pushing down the DVD Sub C.B.A. securely.

- e. Connect the F.F.C.s to Connectors P8901 on the DVD Main C.B.A.
- f. Tighten the 2 Screws (520).



### 4. Installation of Mechanism Chassis and Cassette Up Ass'y onto Main C.B.A.

a. Make sure the Mode Select SW. on the Main C.B.A. is in EJECT position. If not, rotate the Mode Select SW. until the alignment projection is in the EJECT Position.

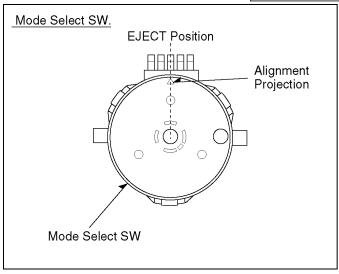


Fig. D8

b. Make sure the phase hole of the Main Cam Gear on the bottom side of the Mechanism Unit is in EJECT Position.

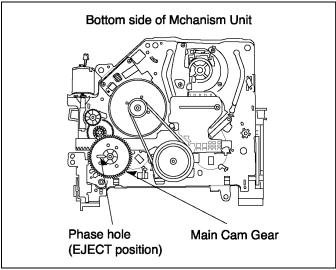


Fig. D9

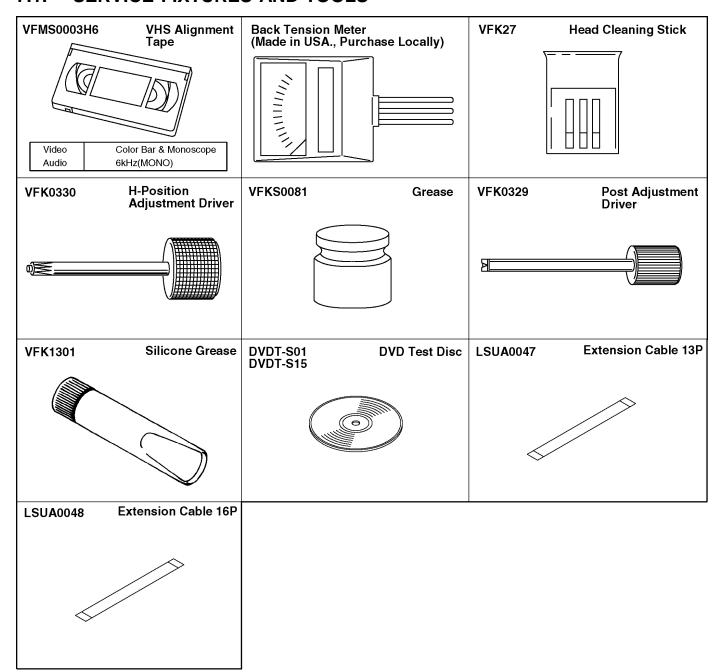
c. Install the Mechanism Chassis straight onto the Main C.B.A. so that the Sensor LED clears the hole in the Mechanism Chassis and that 2 Connectors (P6201 and P4001) are aligned and seated securely.

### 6.2. MECHANISM SECTION

Refer to the Service Manual for R4-Mechanism Chassis. (Order No. MKE0401000C1)

### 7 ADJUSTMENT PROCEDURES

### 7.1. SERVICE FIXTURES AND TOOLS



### 7.2. MECHANICAL ADJUSTMENT

Refer to the Service Manual for R4-Mechanism Chassis. (Order No. MKE0401000C1)

### 7.3. ELECTRICAL ADJUSTMENT

#### Note:

Following Adjustments have been preadjusted at factory and are not required.

- · Purity Adjustment
- · Convergence Adjustment

### 7.3.1. TEST EQUIPMENT

To do all of these electrical adjustments, the following equipment is required.

1. Dual-Trace Oscilloscope

Voltage Range: 0.001 V to 50 V/Div. Frequency Range: DC to 50 MHz

Probes: 10:1, 1:1

2. NTSC Video Pattern Generator

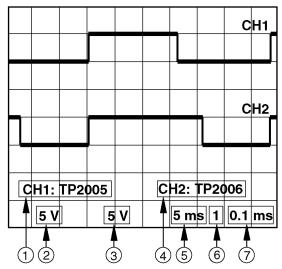
3. Isolation Transformer (Variable)

4. VHS Alignment Tape (VFMS0003H6)

5. Degaussing Coil

6. White Pattern Generator

### 7.3.2. HOW TO READ THE ADJUSTMENT PROCEDURES



- 1. Connecting Point
- 3. Volts/DIV
- 5. Time/DIV
- 7. Time/DIV for Delay
- 2. Volts/DIV
- 4. Connecting Point
- 6. Trigger Channel of the Scope

1 : CH1

2: CH2

Fig. E1

# 7.3.3. EVR (Electronic Variable Register) ADJUSTMENT WITH THE REMOTE CONTROL

This unit has electronic technology using I<sup>2</sup>C Bus concept.

The following control functions are adjusted by using "On Screen Displays" and the remote control instead of adjusting mechanical controls (VR).

	<b>※</b> 1		
Control functions	Address	Range	Default
SUB COLOR	00	C0 - FF, 00 - 3F	00
SUB TINT	01	E0 - FF, 00 - 1F	00
SUB BRIGHT	02	C0 - FF, 00 - 3F	F0
CONTRAST	03	C1 - FF, 00	00
SUB SHARPNESS	04	E0 - FF, 00 - 1F	EC
R CUT -OFF	05	00 - 7F	1E
G CUT -OFF	06	00 - FD	3C
B CUT -OFF	07	00 - FD	3C
G DRIVE	08	00 - 7F	40
B DRIVE	09	00 - 7F	40
SUB CONTRAST	0 <b>A</b>	00 - 0F	06
H-CENTER	ОВ	00 - 0F	08
V SIZE	0D	00 - 7F	40
V POSITION	Θ	00 - 1F	02
VV COLOR	12	C0 - FF, 00 - 3F	F9
VV TINT	13	E0 - FF, 00 - 1F	02
VV SHARPNESS	14	E0 - FF, 00 - 1F	F6
PG SHIFTER	15	00 - FD	80
US/CANADA	18	00 - 01	00/01

Bold-faced letters - Control functions which need to be adjusted. Note:

1 Address is not displayed on the TV screen. Other Addresses except above are not used.

### 7.3.4. EVR ADJUSTMENT ITEM

The following Items need to be adjusted for EVR adjustment.

- · SUB CONTRAST ADJUSTMENT
- · FOCUS, SCREEN, CUT OFF, DRIVE ADJUSTMENT
- · SUB COLOR/SUB TINT ADJUSTMENT
- DEFLECTION DISTORTION CORRECTION ADJUSTMENT
- · WHITE BALANCE ADJUSTMENT
- · SUB BRIGHTNESS ADJUSTMENT

### 7.3.5. HOW TO ENTER EVR ADJUSTMENT MODE

Press and hold STOP/EJECT, PLAY and VOL- buttons of VCR operation panel on the unit together over 5 seconds with no cassette inserted.

The adjustment overlay will appear to Enter EVR adjustment mode.

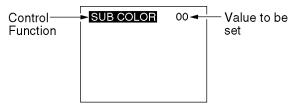


Fig. E2-1

### 7.3.5.1. How to adjust:

 Press UP/DOWN ▲ ▼ key on the remote control to select control function to be adjusted.

### **Important Note:**

Make a note of the original value of the controls before modifying in case the wrong control is adjusted.

2. Press RIGHT/LEFT ◀ ▶ key on the remote control so that the shaded area moves to the value.

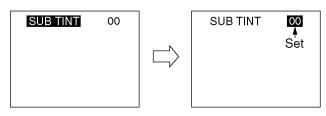


Fig. E2-2

3. Press UP/DOWN ▲ ▼ key on the remote control to adjust the value of the selected control.

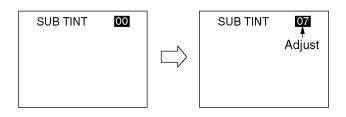


Fig. E2-3

### Note:

You can select a desired channel by using the numbered keys on the remote control in EVR adjustment mode.

4. Press RIGHT/LEFT ■ ▶ key on the remote control so that the shaded area moves to the control function.

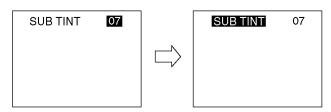


Fig. E2-4

5. Press UP/DOWN ▲ ▼ key on the remote control to select a control function for the next adjustment if necessary.

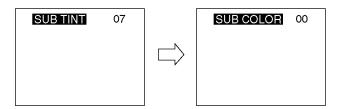


Fig. E2-5

### 7.3.5.2. How to release from EVR Adjustment Mode:

Press and hold STOP/EJECT, PLAY and VOL- buttons of VCR operation panel on the unit together over 5 seconds again or press the POWER button OFF to release EVR adjustment mode. The adjusted value will be written to Memory IC (IC6004).

### 7.3.6. HOW TO ENTER SERVICE MODE

- 1. Set the unit to TV Mode.
- 2. Enter EVR adjustment mode.
- Press DISPLAY key on the remote control for collapse scan.

#### Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value for adjustments you will proceed.

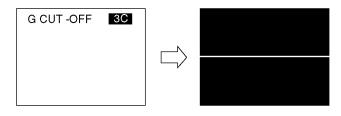


Fig. E2-6

### 7.3.6.1. How to release from Service Mode:

Press DISPLAY key again on the remote control.

### 7.3.7. SUB CONTRAST ADJUSTMENT

Purpose: To set the optimum sub contrast level.

Symptom of The picture is too dark or too light.

Misadjustment:

Test Point: TP49 (CRT C.B.A.)

Adjustment: SUB CONTRAST (EVR),

Specification: Refer to descriptions below.

Input: Video Input Jack,

Crosshatch Pattern Signal 1 V[p-p] (75 Ω

terminated)

Mode: STOP

Equipment: Oscilloscope,

NTSC Video Pattern Generator

- 1. Supply a Crosshatch Pattern Signal to the Video Input Jack.
- Connect the Oscilloscope to TP49 on the CRT C.B.A. (Use TP47 for GND.)
- 3. Select SUB BRIGHT in EVR adjustment mode. Then, after making a note of the original value, adjust to the (C0).
- 4. Select SUB CONTRAST in EVR adjustment mode and adjust so that the level A is (3.0 V[p-p]±0.1 V[p-p]: For model with 20 inch CRT), or (3.15 V[p-p]±0.1 V[p-p]: For model with 27 inch CRT).
- Select SUB BRIGHT in EVR adjustment mode and reset to the original value.

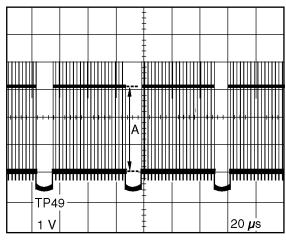


Fig. E3

### 7.3.8. FOCUS, SCREEN, CUT OFF, DRIVE ADJUSTMENT

Purpose: To set the optimum Screen.

Symptom of The picture is will be an improper screen

Misadjustment: color mix.

Test Point : TP50 (CRT C.B.A.)
Adjustment : FOCUS CONTROL

(Flyback Transformer),

SCREEN CONTROL (Flyback

Transformer),

SUB BRIGHT (EVR),
G DRIVE (EVR),
B DRIVE (EVR),
R CUT-OFF (EVR),

G CUT-OFF (EVR), B CUT-OFF (EVR)

Specification: Refer to descriptions below.

Input: Video Input Jack,

Crosshatch Pattern Signal, Monoscope Pattern Signal

Mode: STOP

Equipment: Oscilloscope,

NTSC Video Pattern Generator

- 1. Supply a Crosshatch Pattern Signal to the Video Input Jack.
- 2. Adjust the FOCUS CONTROL on the Flyback Transformer so that the "a" and "b" are the sharpest.

Horizontal Center Line

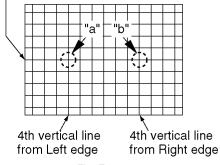


Fig. E4-1

- 3. Supply a Monoscope Pattern Signal to the Video Input Jack.
- 4. Connect the Oscilloscope to TP50 on the CRT C.B.A. (Use TP47 for GND.)
- 5. Select SUB BRIGHT and move the shaded area to the value in EVR adjustment mode.
- Turn the SCREEN CONTROL on the Flyback Transformer fully counterclockwise.
- 7. Press DISPLAY key on the remote control for collapse scan. (Refer to "HOW TO ENTER SERVICE MODE.")
- Adjust SUB BRIGHT in EVR adjustment mode so that the level A is (170 VDC±5 VDC: For model with 20 inch CRT), or (185 VDC±5 VDC: For model with 27 inch CRT).

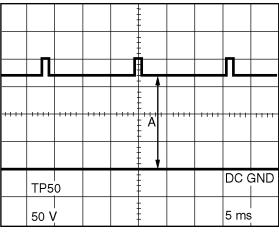


Fig. E4-2

- Turn the SCREEN CONTROL on the Flyback Transformer clockwise carefully and stop at the point where any color is first observed.
- 10. In EVR adjustment mode, select the two colors not observed in step 8 from the following control functions (R CUT-OFF, G CUT-OFF, B CUT-OFF) and adjust so that the horizontal line becomes white.

For example, if the horizontal line appeared red in step 8, select and adjust the B CUT-OFF and G CUT-OFF. (See NOTE)

- 11. Press DISPLAY key on the remote control again to return for full frame scan.
- 12. Select SUB BRIGHT in EVR adjustment mode and adjust so that the picture has adequate brightness.
- 13. Select G DRIVE and B DRIVE in EVR adjustment mode and adjust so that the entire screen is white.

#### Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value.

### 7.3.9. SUB COLOR/SUB TINT ADJUSTMENT

Purpose: To set the standard color phase.

Symptom of Color phase will be shifted.

Symptom of Misadjustment:

Test Point: TP49 (CRT C.B.A.)
Adjustment: SUB COLOR (EVR),

SUB TINT (EVR),

Specification: Refer to descriptions below.

Input: Video Input Jack,

Rainbow Color Bar

Mode: STOP

Equipment: Oscilloscope,

NTSC Video Pattern Generator

- 1. Supply the Rainbow Color Bar signal to Video Input Jack.
- 2. Connect the Oscilloscope to TP49 on the CRT C.B.A.
- 3. Select SUB BRIGHT in EVR adjustment mode. Then, after making a note of original value, adjust to the (C0).
- 4. Select SUB TINT in EVR adjustment mode and adjust so that level A and B should be equal in amplitude.

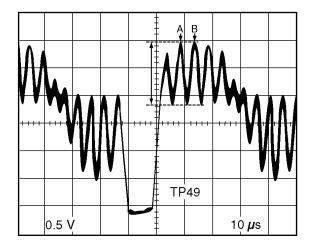


Fig. E5-1

5. Select SUB COLOR in EVR adjustment mode and adjust which higher level that level C is 1.40 V[p-p]±0.15 V[p-p].

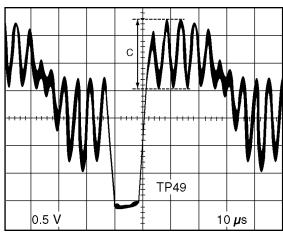


Fig. E5-2

Select SUB TINT in EVR adjustment mode and increase level B 1 clicks above the same level.

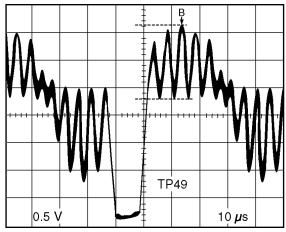


Fig. E5-3

7. Select SUB BRIGHT in EVR adjustment mode and reset to the original value.

### 7.3.10. DEFLECTION DISTORTION CORRECTION ADJUSTMENT

Purpose: To set the optimum picture.

Symptom of The picture is distortion.

Misadjustment:

Test Point: ------

Adjustment: V POSITION (EVR),

V SIZE (EVR), H-CENTER (EVR),

(For model with 27 inch CRT) R763 (Deflection C.B.A.), R753 (Deflection C.B.A.), R766 (Deflection C.B.A.)

Specification: Refer to descriptions below.

Input: Video Input Jack,

Crosshatch Pattern Signal, Monoscope Pattern Signal

Mode: STOP

Equipment: NTSC Video Pattern Generator

- 1. Supply a Crosshatch Pattern Signal to the Video Input Jack.
- 2. Confirm that the Horizontal Center Line is within the limits of A.

Yoke Alignment Slit

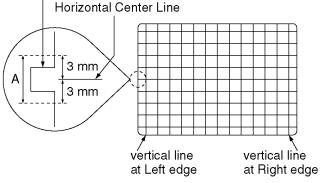


Fig. E6-1

3. (For model with 27 inch CRT)

Adjust R763 so that vertical lines should be almost straight.

4. (For model with 27 inch CRT)

Adjust R753 so that vertical lines at Left edge and Right edge should be almost straight.

- Supply a Monoscope Pattern Signal to the Video Input Jack.
- 6. Select V POSITION in EVR adjustment mode and adjust Horizontal Center Line is within the limits of A.

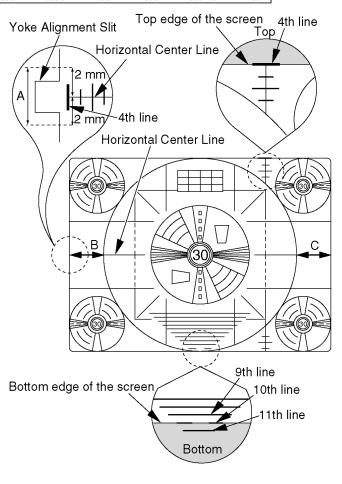


Fig. E6-2

- 7. Select V SIZE in EVR adjustment mode and adjust so that the top 4th line is just in view, and that the Bottom edge is between the 9th line and the 11th line.
- 8. Select H-CENTER in EVR adjustment menu and adjust so that B is approximately equal to width C.
- 9. (For model with 27 inch CRT)

Adjust R766 so that the left 4th line is just in view.

10. Supply a Crosshatch Pattern Signal to the Video Input Jack. Then, confirm that the picture is no distortion.

### 7.3.11. WHITE BALANCE ADJUSTMENT

Purpose: To set the standard white level for each

color temperature.

Symptom of White becomes bluish or reddish.

Misadjustment:

Test Point : TP50 (CRT C.B.A)
Adjustment : FOCUS CONTROL

(Flyback Transformer),

SCREEN CONTROL (Flyback

Transformer),

SUB BRIGHT (EVR),
G DRIVE (EVR),
B DRIVE (EVR),
R CUT-OFF (EVR),
G CUT-OFF (EVR),
B CUT-OFF (EVR)

Specification: Refer to descriptions below.

Input: Video Input Jack,

Monoscope Pattern Signal,

White Pattern Signal

Mode: STOP

Equipment: NTSC Video Pattern Generator,

White Pattern Generator,

Oscilloscope

- 1. Supply a Monoscope Pattern Signal to the Video Input Jack.
- 2. Connect the Oscilloscope to TP50 on the CRT C.B.A. (Use TP47 for GND.)
- 3. Select SUB BRIGHT and move the shaded area to the value in EVR adjustment mode.
- 4. Adjust the FOCUS CONTROL on the Flyback Transformer so that the "a" and "b" are the sharpest.

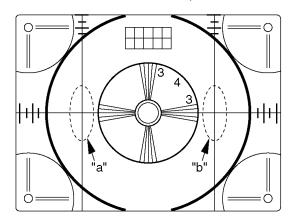


Fig. E7-1

- Turn the SCREEN CONTROL on Flyback Transformer fully counterclockwise.
- Press DISPLAY key on the remote control for collapse scan. (Refer to "HOW TO ENTER SERVICE MODE.")
- 7. Adjust SUB BRIGHT in EVR adjustment mode so that the

level A is 175 VDC±5 VDC.

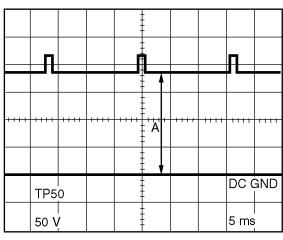


Fig. E7-2

- Turn the SCREEN CONTROL on the Flyback Transformer clockwise carefully and stop at the point where red or blue is first observed.
- 9. In EVR adjustment mode, select the two colors not observed in step 8 from the following control functions (R CUT-OFF, G CUT-OFF, B CUT-OFF) and adjust so that the horizontal line becomes white.

For example, if the horizontal line appeared red in step 8, select and adjust the B CUT-OFF and G CUT-OFF (See Note).

- 10. Supply a White Pattern Signal to the Video Input Jack.
- 11. Press DISPLAY key on the remote control again to return for full frame scan.
- Select G DRIVE and B DRIVE in EVR adjustment mode and adjust so that the entire screen is white.
- 13. Confirm that the screen is tracking the White Pattern properly. If NG, repeat the above steps 8, 9 and 12 until the screen is properly tracking the White Pattern.
- 14. Select SUB BRIGHT in EVR adjustment mode and adjust correctly.

#### Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value.

### 7.3.12. SUB BRIGHTNESS ADJUSTMENT

#### Note:

Perform this adjustment in a darkened room.

Purpose: To set the optimum brightness level.

Symptom of The picture is too white or too black.

Misadjustment:

Test Point : -----

Adjustment: SUB BRIGHT (EVR),

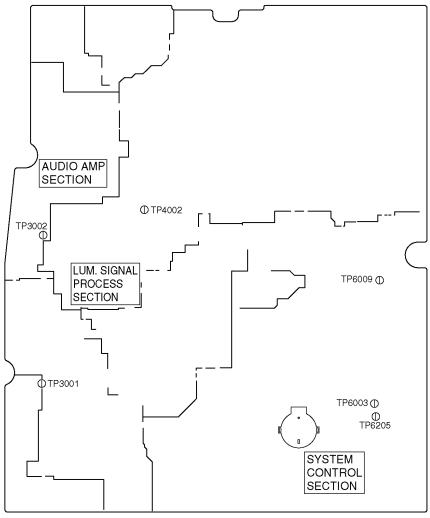
Specification: Refer to descriptions below.

Input: -----Mode: STOP

- 1. Do not input any signal to the unit.
- Set INPUT SELECT item to LINE in SET UP TV menu to display black screen.
- 3. Select SUB BRIGHT in EVR adjustment mode, and adjust so that the black screen starts to turn gray (lighting only).

### 7.4. TEST POINTS AND CONTROL LOCATION

Main C.B.A.

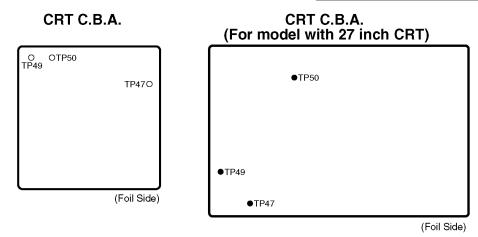


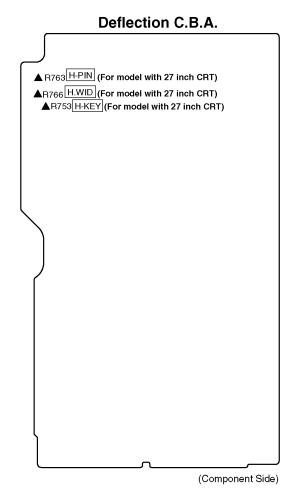
(Component Side)

	FUNCTION OF IMPORTANT TEST POINTS					
TP3001	Video Signal					
TP3002	REC/PB Video envelope signal					
TP4002	Normal Audio signal					
TP6003	Defeat Auto tracking function (connect to +5V(TP6009))					
TP6009	+5V					
TP6205	Head SW.					

### **Test Point Information**

- Test Point with a Test Pin.
- ① Test Point with a jumper wire across a hole in the P.C.B.
- O Test Point with no Test Pin.





# **8 SCHEMATIC DIAGRAMS**

#### 8.1. SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES

#### 1. Important safety notice

Components identified by the sign have special characteristics important for safety. When replacing any of these components. Use only the specified parts.

2. Do not use the part number shown on this drawing for ordering.

The correct part number and part value is shown in the parts list, and may be slightly different or amended since this drawing was prepared.

3. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

- 4. Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.
- 5. Test point information

:Test point with a jumper wire across a hole in P.C.B.

:Test point with a component lead on the foil side.

②:Test point with no test pin.

Test point with a test pin.

## **Schematic Diagram Notes**

Indication for Zener Voltage of Zener Diodes
 The Zener Voltage of Zener Diodes are indicated as such on Schematic Diagrams.

Example:

(6.2V).....Zener Voltage

2. How to identify Connectors

Each connector is labeled with a Connector No. and Pin No. Indicating what it is connected to,

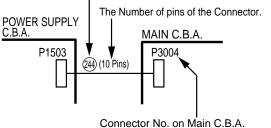
in other words, its counter part.

Use the interconnection schematic diagram to find the connection between associated connectors.

#### Example:

The connections between C.B.A.s are shown below.

Ref. No. of the connection parts such as lead cable, flexible cable which is supplied as a replacement parts.



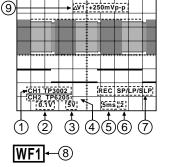
3. Parts marked "PT" are not used in any models included in this service model.

Example:

4. Jumper wires are used for WA10, WA5 etc and these are not supplied as replacement parts.

#### **Signal Waveform Note**

How to read Signal Waveform



- 1 Connecting Point
- 2 Volts/Div
- 3 Volts/Div
- 4 Connecting Point
- 5 Time/Div
- 6 Trigger Channel of the scope
- (1:CH1,2:CH2)
- Operation Mode of VCR
- 8 Waveform Point on Schematic
- 9 V1:Peak to Peak

# Voltage Chart Note

Voltage Measurement

- a. Color bar signal in SP mode.
- b. ---: Unmeasurable or not necessary to measure.

# **Circuit Board Layout Note**

Circuit Board Layout shows components installed for various models.

For proper parts content for the model you are servicing, please refer to the schematic diagram and parts list.

#### NOTE:

Circuit Board Layout includes components which are not used

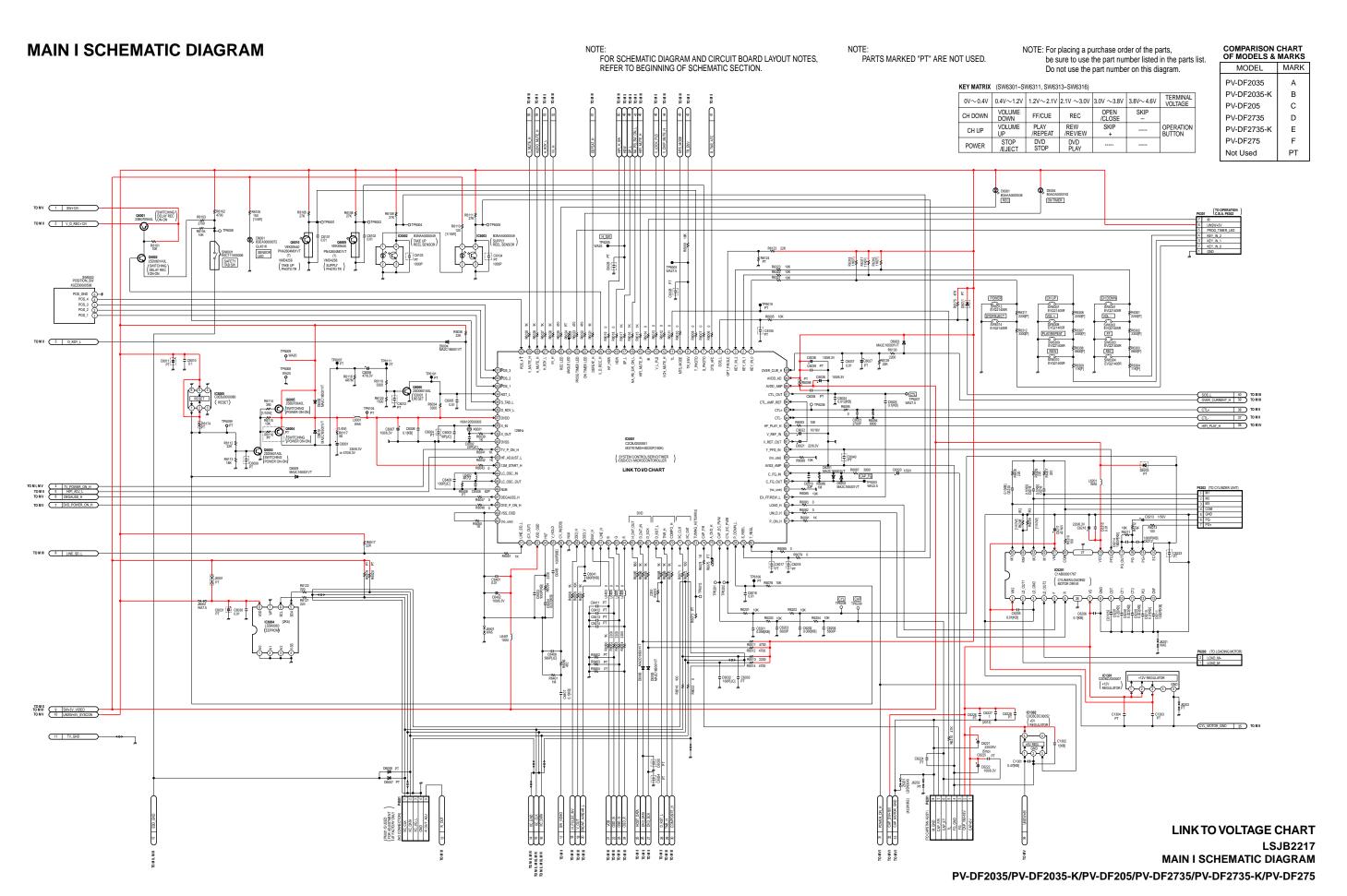
## **Model No. Identification Mark**

MODEL	MARK
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	E
PV-DF275	F
Not Used	PT

Note: Refer to item 3 of Schematic Diagram Notes for mark "PT".

SCHEMATIC DIAGRAM & CIRCUIT BOAD LAYOUT NOTES PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

#### 8.2. MAIN SCHEMATIC DIAGRAMS

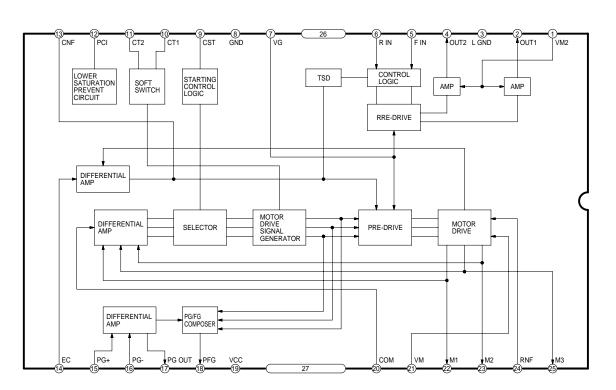


### I/O CHART OF IC6001

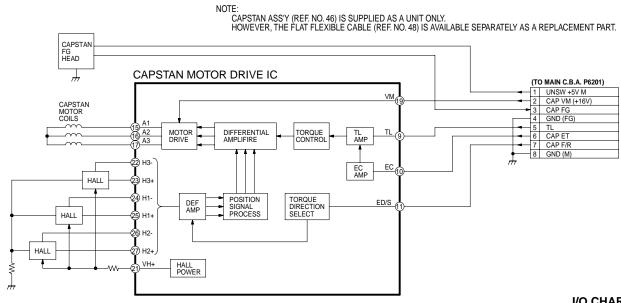
Pin No.	I/O	Signal Name	Description
1	1/0	KEY_0	KEY DATA 0
2	i i	KEY_1	KEY DATA 1
3	H	KEY_2	KEY DATA 2
4	-		NOT USED
	$\vdash$	OPT_F/R/2LC	
5	1	SOS_L	ABNORMAL VOLTAGE DETECTION(L)
6	1	DTS_AFC	TUNER AFC
7	1	S_PHOTO	SUPPLY PHOTO TR ON(L)
8	1	T_PHOTO	TAKEUP PHOTO TR ON(L)
9	1	TR_ENV	ENV VOLTAGE
10	1	MTS_MODE	MTS MODE
11	0	TL	CAPSTAN TORQUE COMMAND
12	0	VCH_MUTE_H	V-CHIP MUTE(H)
13	0	V_L_PLS	V-LOCK PULSE
14	1	IR	IR-DATA
15	0	Hi-Fi_MUTE_H	Hi-Fi AUDIO MUTE(H)
16	0	NA_PB_SW_ON_L	NORMAL AUDIO PB(L)
17	0	SP_L	TAPE SPEED
18	0	HSW	HEAD SW PULSE
19	0	HF_HSW	Hi-Fi HEAD SW
20	0	V_D_REC_H	VIDEO DELAY REC(H)
21	0	DEFEAT_H	AUDIO DEFEAT(H)
22	0	ON_TIMER_LED	ON TIMER LED ON(L)
23	0	PROG TIMER LED	PROGRAM TIMER LED ON(L)
24	0	ANGLE LED	NOT USED
25	0	REC LED	REC LED ON(L)
26	0	VV H	VV(H)
27	0	H_RDY_L	HOST READY(L)
28	0	A MUTE H	AUDIO MUTE(H)
29	0	V_MUTE_H	VIDEO MUTE(H)
30	Т	POS_4	MODE SW POSITION D
31	Т	POS_3	MODE SW POSITION C
32	П	POS 2	MODE SW POSITION B
33	Ť	POS_1	MODE SW POSITION A
34	Ť	RST_L	RESET(L)
35	Ť	S TAB L	SAFETY TAB ON(L)
36	İ	D_RDY_L	DVD READY(L)
37	Ė	DVDD	VDD(+5V)
38	Ė	X IN	12MHz OSCILLATOR
39	0	X OUT	12MHz OSCILLATOR
40	-	DVSS	GROUND
41	0	TV_P_ON_H	TV POWER ON(H)
42	0	HF_ADJUST_L	HF ADJUST(L)
43	Ī	12M_START_H	12MHz CLOCK START(H)
44	_	LC OSC IN	LC OSCILLATOR
45	-	LC_OSC_IN	LC OSCILLATOR  LC OSCILLATOR
	-		
46	-	NUB DECAUSE H	NOT USED
47	0	DEGAUSS_H	DEGAUSSING ON(H)
48	0	DVD_P_ON_H	DVD POWER ON(H)
49	-	VSS_OSD	GROUND
50	-	(no_use)	NOT USED

Pin No.	I/O	Signal Name	Description
51	1	LINE_SD_L	TV SIGNAL(L)
52	-	(CV_OUT)	NOT USED
53	1	VDD_OSD	VDD (+5V)
54	-	HLF	NOT USED
55		V_HOLD	NOT USED
56	_	CV_IN(EDS)	COMPOSITE VIDEO
57		NUA	NOT USED
58	Ι	OSD_H	OSD H-SYNC
59	Ι	OSD_V	OSD V-SYNC
60	0	BLK_H	BLANKING PULSE
61	0	LINE_H	LINE1(L)/LINE2(H)
62	0	В	OSD-B
63	0	G	OSD-G
64	0	R	OSD-R
65	0	H_DAT_OUT	DVD SERIAL DATA 0
66	Ī	D_DAT_IN	DVD SERIAL DATA 1
67	Ι	D SCK	DVD SERIAL CLOCK
68	0	D_RST_L	DVD RESET(L)
69	0	TNR_H	TUNER(H)/LINE(L)
70	0	COMPO H	COMPOSITE(H)
71	0	IIC_CLK	I2C SERIAL CLOCK
72	1/0	IIC DAT	I2C SERIAL DATA
73		TUNING_H/(750KHz)	NOT USED
74	0	CAP F/R	CAPSTAN MOTOR REVERSE(H)/FORWARD(I
75		A_DVD_H	NOT USED
76	0	CAP_EC_PWM	CAPSTAN ERROR
77		CYL EC PWM	CYLINDER ERROR
78	Ť	P DOWN L	POWER DOWN(L)
79	İ	S REEL	SUPLLY REEL PULSE
80	i	T_REEL	TAKEUP REEL PULSE
81	0	P_ON_H	POWER ON(H)
82	0	UNLD H	LOADING MOTOR REVERSE(H)
83	0	LOAD_H	LOADING MOTOR FORWARD(H)
84	-	EX FF/REW L	FF/REW(L)
85		(no_use)	NOT USED
86	0	C FG OUT	CAPSTAN FG
87	1	C_FG_IN	CAPSTANT G
88		AVSS AMP	GROUND
89		(no_use)	NOT USED
90	1	Y_PFG_IN	CYLINDER PG/FG
91	0	V_REF_OUT	V-REF
92	Ī	V_REF_IN	V-REF
93		HF_PLAY_H	Hi-Fi AUDIO PB(H)
93			
	I/O I/O	CTL-	CONTROL PULSE(-)
95		CTL+	CONTROL PULSE(+)
96	-	CTL_AMP_REF	V-REF
97	0	CTL_OUT	PB CONTROL PULSE
98		AVDD_AMP	VDD (+5V)
99	Ι	AVDD_AD	VDD (+5V)
100		OVER_CUR_H	OVER CURRENT DETECT(H)

# IC6201 CYLINDER/LOADING MOTOR DRIVE IC- DETAIL BLOCK DIAGRAM

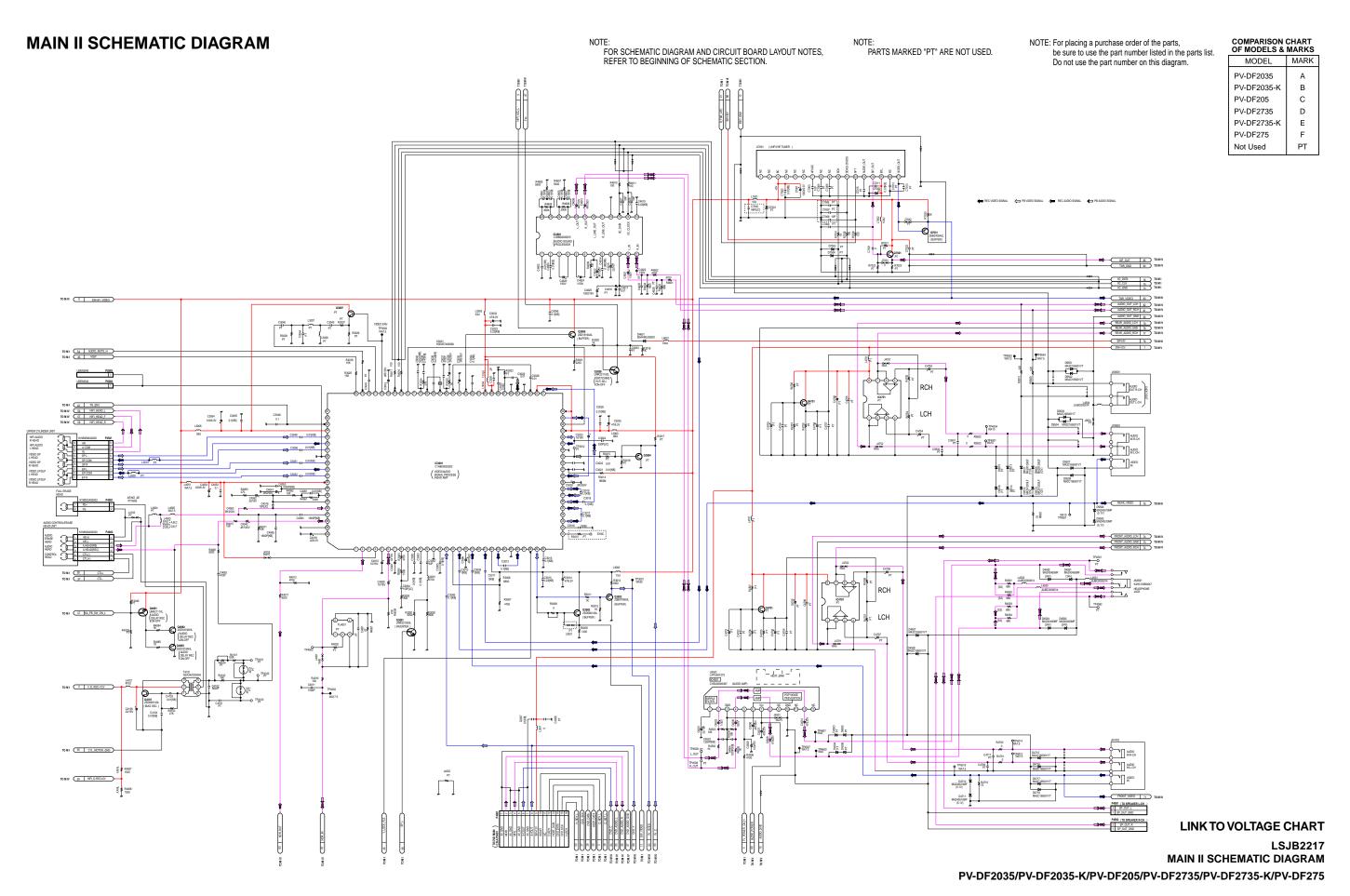


# **CAPSTAN ASS'Y**



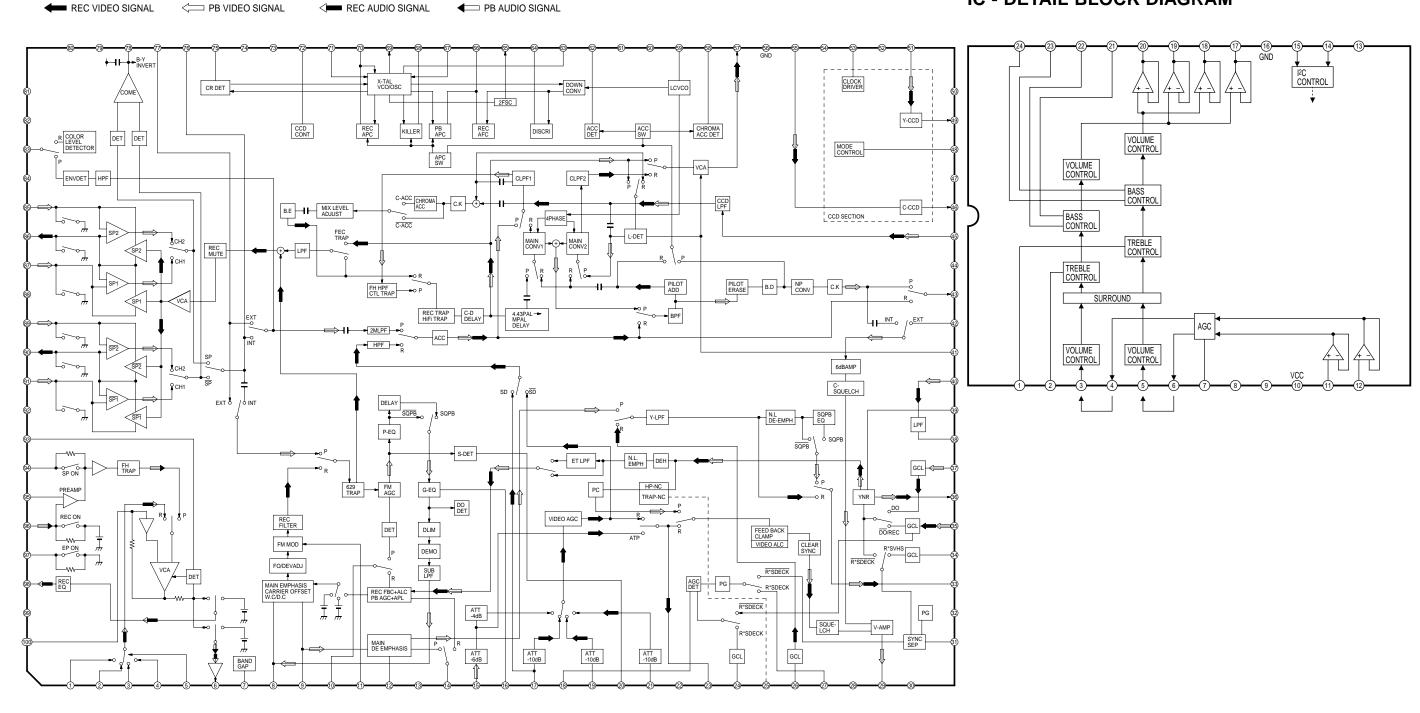
I/O CHART OF IC6001 /IC6201 DETAILBLOCK DIAGRAM CAPSTAN ASS'Y

PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275



### IC3001 VIDEO/AUDIO SIGNAL PROCESS / HEAD AMP IC- DETAIL BLOCK DIAGRAM

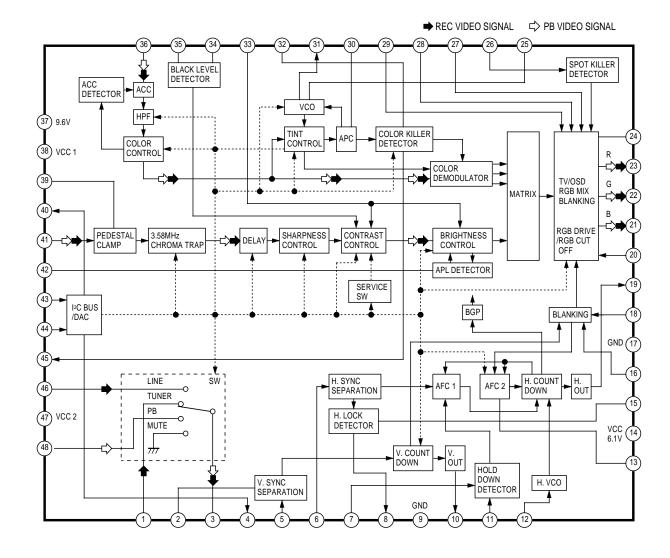
# IC4601 TONE CONTROL IC - DETAIL BLOCK DIAGRAM



IC3001 DETAIL BLOCK DIAGRAM
IC4601 DETAIL BLOCK DIAGRAM
PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

# MAIN III SCHEMATIC DIAGRAM NOTE: FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION. COMPARISON CHART OF MODELS & MARKS NOTE: For placing a purchase order of the parts, PARTS MARKED "PT" ARE NOT USED. be sure to use the part number listed in the parts list. MODEL MARK Do not use the part number on this diagram. PV-DF2035 IMPORTANT SAFETY NOTICE: COMPONENTS IDENTIFIED BY THE SIGN A HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, PV-DF2035-K M TOW I TOMIT PV-DF205 PV-DF2735 PV-DF2735-K Е USE ONLY THE SPECIFIED PARTS. PV-DF275 PT Not Used TO M II 64 DVD\_C TOM1 (52 VV\_H TO M I 30 COMPOSITE\_H (LUMINANCE/CHROMINANCE ) TO M II (68 DVD\_Y == TO M I 20 FRONT\_HIREAR\_L TOM II 83 TNR\_VIDEO P5503 TEL302-5X 1 DVD\_FRAME\_GND\_2 LINK TO VOLTAGE CHART 2LINE\_COM LSJB2217 MAIN III SCHEMATIC DIAGRAM PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

### IC5301 LUMINANCE/CHROMINANCE PROCESS IC- DETAIL BLOCK DIAGRAM



# MAIN IV SCHEMATIC DIAGRAM NOTE: FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION. PARTS MARKED "PT" ARE NOT USED. 0 00 0 M M 00 1 REC AUDIO SIGNAL PB AUDIO SIGNAL Fsc 87 TO M II TP4202 WA7.5 C4915 100/6.3V 3 B C4916 0.01 Q4204 2SD132800L (AUDIO MUTE-ON) C4920 0.022[KB] **₩** R4203 8200

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

#### COMPARISON CHART OF MODELS & MARKS

OF MODELS &	WAKKS	
MODEL	MARK	
PV-DF2035	Α	
PV-DF2035-K	В	
PV-DF205	С	
PV-DF2735	D	
PV-DF2735-K	Е	
PV-DF275	F	
Not Used	PT	

LINK TO VOLTAGE CHART

MAIN IV SCHEMATIC DIAGRAM

PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

# IC4201 Hi-Fi AUDIO SIGNAL PROCESS IC- DETAIL BLOCK DIAGRAM REC AUDIO SIGNAL PB AUDIO SIGNAL FSC/ MTS MUT REC / DEMODULATOR BLOCK IIC BUS INTERFACE PNR RCH AGC & SWITCH MTS/SAP DEMODULATOR 51 VCC MTS DBX NOISE REDUCTION FM MODULATOR/ DEMODULATOR OUTPUT SELECT SWITCH RCH HIFI PLAY(H)<sup>28</sup> LPF 54 L+R REF BPF 55 GND BPF AGC 66 MTS LED OUTPUT SELECT SWITCH LCH PREAMP & SWITCH LPF FM MODULATOR/ DEMODULATOR €8 VCC DET NORMAL OUTPUT SWITCH INPUT SWITCH RCH INPUT SWITCH LCH 64 SPECTRAL TIMING WIDE BAND DET

IC4201 DETAIL BLOCK DIAGRAM PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

# MAIN V SCHEMATIC DIAGRAM

V-REF(2.495V)

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram

**COMPARISON CHART** 

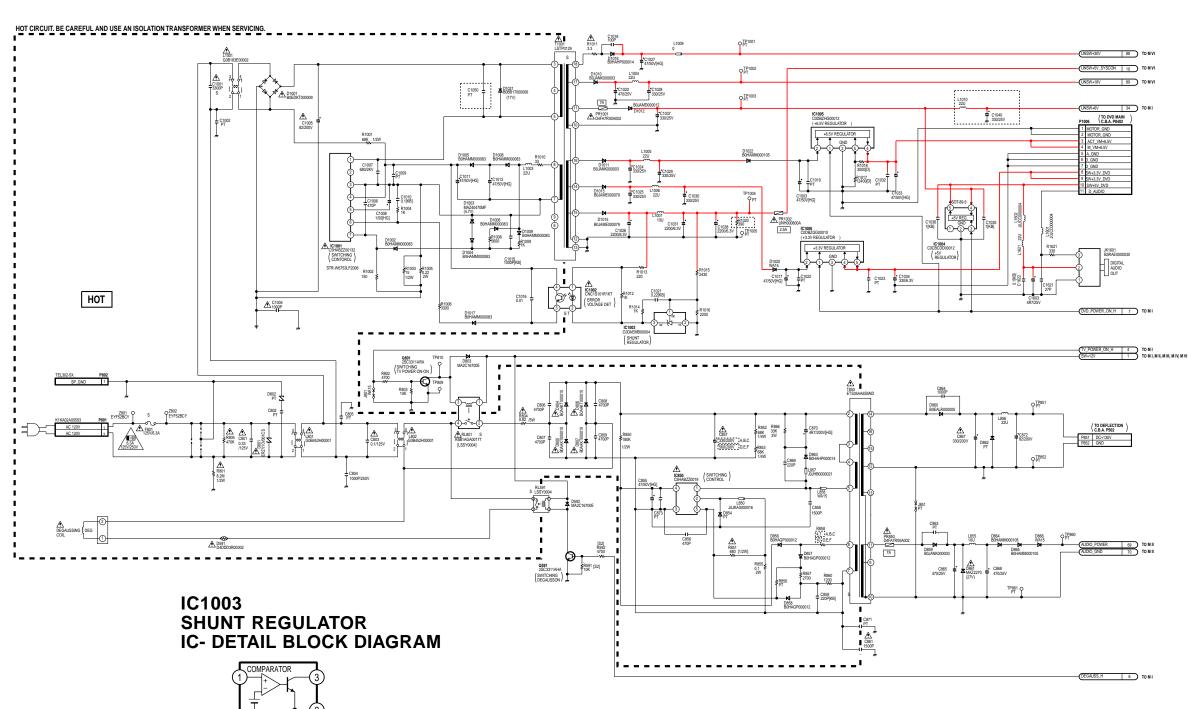
OF MODELS &	MARKS
MODEL	MARK
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	Е
PV-DF275	F

Not Used

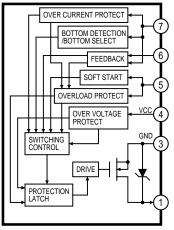
PT

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE 3A 125V/250V FUSE. ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME

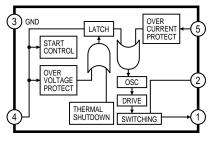
IMPORTANT SAFETY NOTICE: COMPONENTS IDENTIFIED BY THE SIGN A HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.



# IC1001 **SWITCHING CONTROL** IC- DETAIL **BLOCK DIAGRAM**



# IC850 SWITCHING CONTROL **IC- DETAIL BLOCK DIAGRAM**



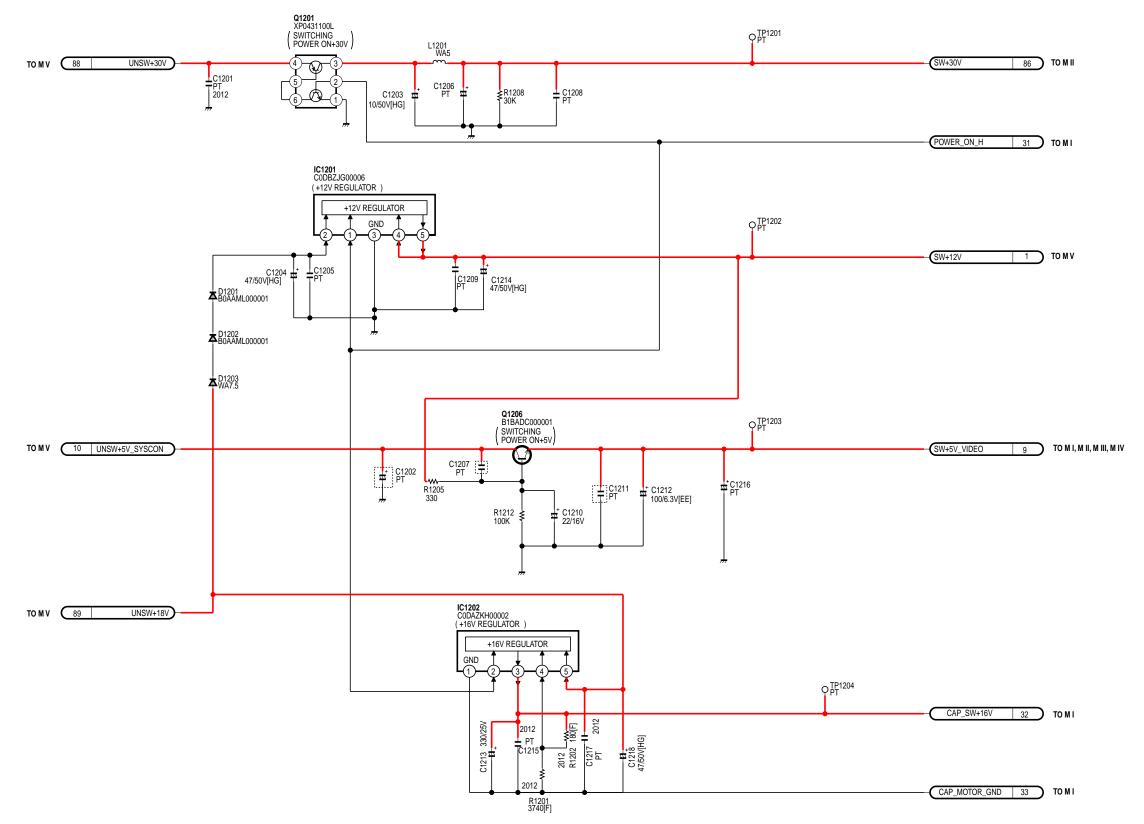
LINK TO VOLTAGE CHART

LSJB2217 MAIN V SCHEMATIC DIAGRAM PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

### MAIN VI SCHEMATIC DIAGRAM



# COMPARISON CHART OF MODELS & MARKS MODEL MARK PV-DF2035 A PV-DF2035-K B PV-DF205 C PV-DF2735 D PV-DF2735-K E PV-DF275 F Not Used PT



LINK TO VOLTAGE CHART

LSJB2217 MAIN VI SCHEMATIC DIAGRAM

PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

#### 8.3. DEFLECTION SCHEMATIC DIAGRAMS

# **DEFLECTION SCHEMATIC DIAGRAM**

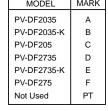
IMPORTANT SAFETY NOTICE: COMPONENTS IDENTIFIED BY THE SIGN 🏝 HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

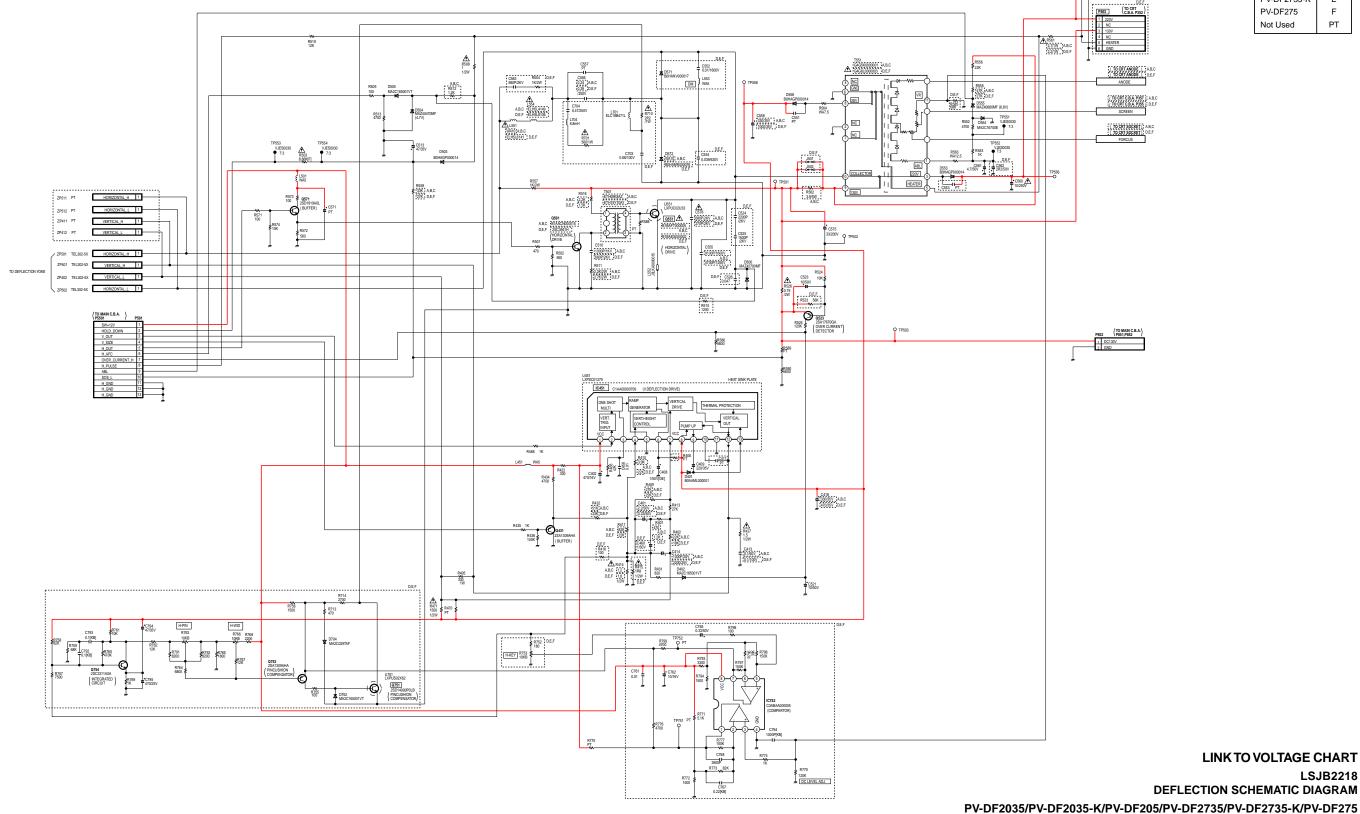
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS MODEL MARK PV-DF2035 PV-DF2035-K





LINK TO VOLTAGE CHART

**DEFLECTION SCHEMATIC DIAGRAM** 

# 8.4. OPERATION / CRT (MODELS: PV-DF2035 / PV-DF2035-K / PV-DF205) SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: PARTS MARKED "PT" ARE NOT USED. NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

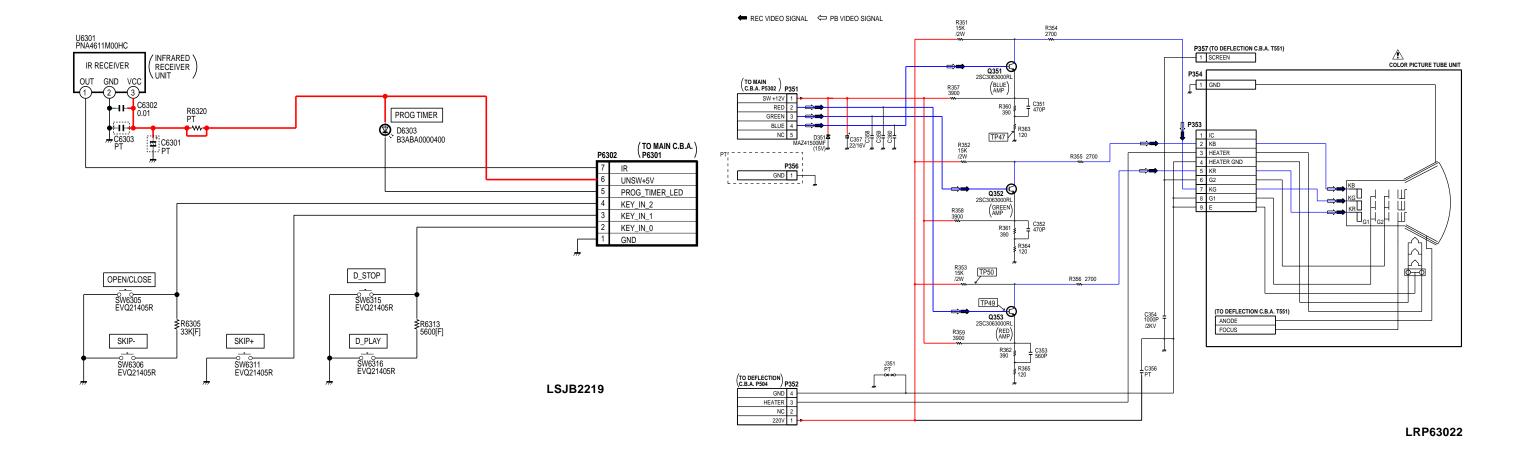
# OF MODELS & MARKS MODEL MARK PV-DF2035 A PV-DF2035-K B PV-DF205 C PV-DF2735 D PV-DF2735-K E PV-DF275 F

Not Used

COMPARISON CHART

#### **OPERATION SCHEMATIC DIAGRAM**

# CRT SCHEMATIC DIAGRAM (A, B, C)



PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

# 8.5. CRT SCHEMATIC DIAGRAM (Models: PV-DF2735 / PV-DF2735-K / PV-DF275)

CRT SCHEMATIC DIAGRAM (D, E, F)

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

TE: PARTS MARKED "PT" ARE NOT USED. NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list.

 COMPARISON CHART OF MODELS & MARKS

 MODEL
 MARK

 PV-DF2035
 A

 PV-DF2035-K
 B

 PV-DF205
 C

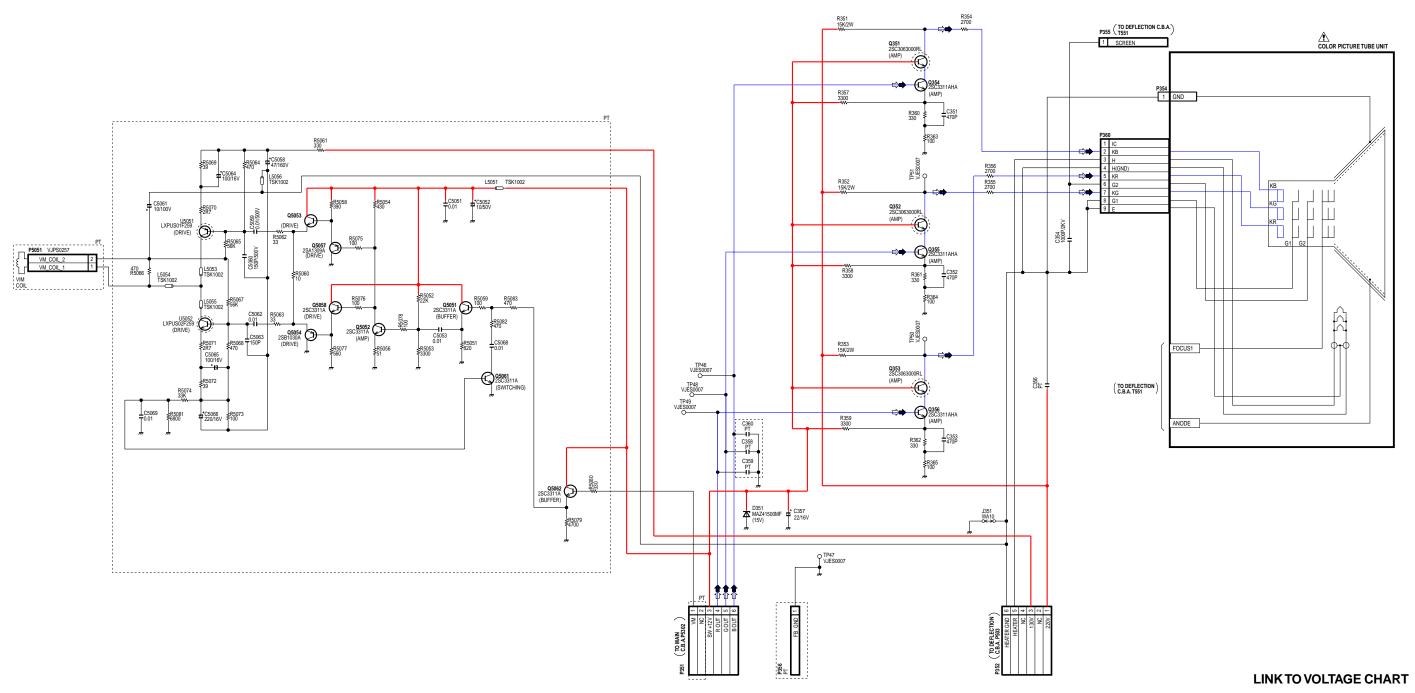
 PV-DF2735
 D

 PV-DF2735-K
 E

 PV-DF275
 F

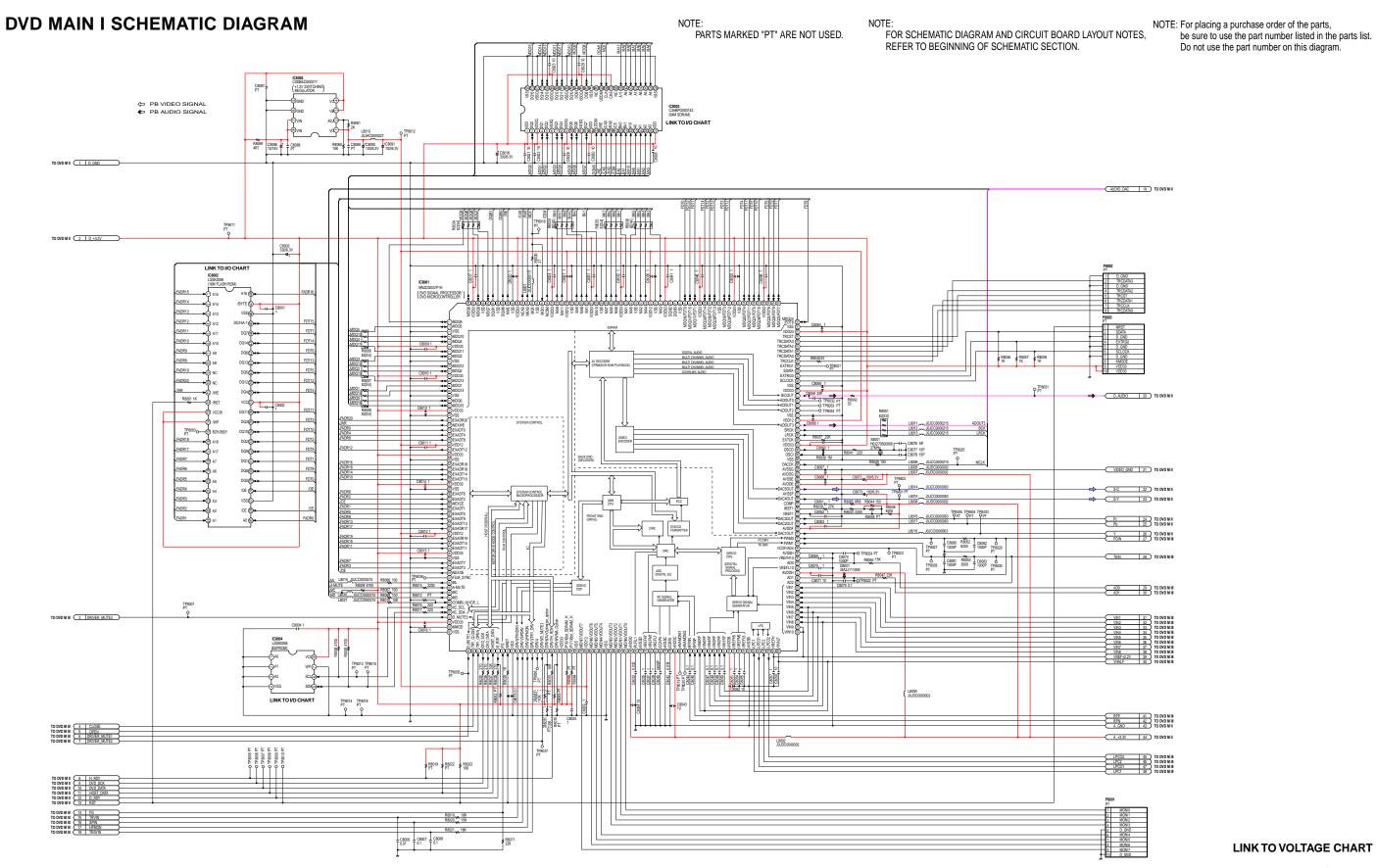
Not Used

■ REC VIDEO SIGNAL
□ PB VIDEO SIGNAL



LSJB2079 CRT SCHEMATIC DIAGRAM PV-DF2735/PV-DF2735-K/PV-DF275

#### 8.6. DVD MAIN / DVD SUB SCHEMATIC DIAGRAMS



LSJB2229 DVD MAIN I SCHEMATIC DIAGRAM PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

# I/O CHART OF IC8002

Pin No.	I/O	Signal Name	Description	
1	ı	A15	Memory address 16	
2	ı	A14	Memory address 15	
3	I	A13	Memory address 14	
4	ı	A12	Memory address 13	
5	ı	A11	Memory address 12	
6	ı	A10	Memory address 11	
7	ı	A9	Memory address 10	
8	ı	A8	Memory address 9	
9	I	NC	Memory address 20	
10	ı	NC	Memory address 21	
11	ı	WE	Write enable : low	
12	I	/RST	Reset : low	
13	ı	vccw	+3.3V	
14	-	WP	(Not used)	
15	ı	RDY/BSY	DVD Ready (Busy : low)	
16	ı	A18	Memory address 19	
17	ı	A17	Memory address 18	
18	ı	A7	Memory address 8	
19	ı	A6	Memory address 7	
20	ı	A5	Memory address 6	
21	ı	A4	Memory address 5	
22	ı	A3	Memory address 4	
23	ı	A2	Memory address 3	
24	ı	A1	Memory address 2	
25	1	A0	Memory address 1	
26	ı	/CE	Memory chip select : low	
27	-	VSS	Ground	
28	ı	/OE	Output enable : low	
29	I/O	DQ0	Memory data 0	
30	I/O	DQ8	Memory data 8	
31	I/O	DQ1	Memory data 1	
32	I/O	DQ9	Memory data 9	
33	I/O	DQ2	Memory data 2	
34	I/O	DQ10	Memory data 10	
35	1/0	DQ3	Memory data 3	
36	1/0	DQ11	Memory data 11	
37	I	VCC	+3.3V	
38	I/O	DQ4	Memory data 4	
39	1/0	DQ12	Memory data 12	
40		DQ5	Memory data 5	
41	1/0	DQ13	Memory data 13	
42	1/0	DQ6	Memory data 6	
43	1/0	DQ14	Memory data 14	
44	1/0	DQ7	Memory data 7	
45	1/0	DQ15A-1	Memory data 15	
46		VSS	Ground	
47	ı	/BYTE	+3.3V	
48	ı	A16	Memory address 16	
			,	

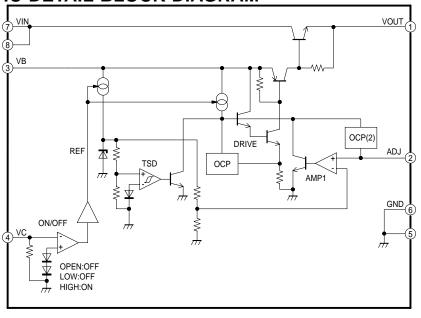
# I/O CHART OF IC8003

Pin No.	I/O	Signal Name	Description
1	Т	VDD	+3.3V
2	1/0	DQ0	SDRAM data 0
3	1	VDDQ	+3.3V
4	1/0	DQ1	SDRAM data 1
5	1/0	DQ2	SDRAM data 2
6	-	VSSQ	Ground
7	1/0	DQ3	SDRAM data 3
8	1/0	DQ4	SDRAM data 4
9	1	VDDQ	+3.3V
10	1/0	DQ5	SDRAM data 5
11	1/0	DQ6	SDRAM data 6
12	-	VSSQ	Ground
13	1/0	DQ7	SDRAM data 7
_			
14	<u> </u>	VDD	+3.3V
15	<u> </u>	LDQM	Data input/output mask
16	1	/WE	Write enable : low
17	1	/CAS	Column address strobe : low
18		/RAS	Row address strobe :low
19	1	/CS	SDRAM chip select : low
20	1	BA0	Bank address 0
21	-	BA1	Bank address 1
22	-	A10/AP	SDRAM address 10
23	1	A0	SDRAM address 0
24	1	A1	SDRAM address 1
25	1	A2	SDRAM address 2
26	ı	A3	SDRAM address 3
27	ı	VDD	+3.3V
28	-	VSS	Ground
29	1	A4	SDRAM address 4
30	- 1	A5	SDRAM address 5
31	Ι	A6	SDRAM address 6
32	Ι	A7	SDRAM address 7
33	Ι	A8	SDRAM address 8
34	ı	A9	SDRAM address 9
35	ı	A11	SDRAM address 11
36	-	NC	(Not used)
37	-	CKE	(Not used)
38	Т	CLK	SDRAM clock
39	Ī	UDQM	Data input/output mask
40	-	NC	(Not used)
41	-	VSS	Ground
42	1/0	DQ8	SDRAM data 8
43	1	VDDQ	+3.3V
44	1/0	DQ9	SDRAM data 9
45	1/0	DQ10	SDRAM data 10
46	-	VSSQ	Ground
47	1/0	DQ11	SDRAM data 11
48	1/0	DQ11	SDRAM data 12
			+3.3V
49	1/0	VDDQ DO12	
50 51	1/0	DQ13	SDRAM data 13
51	1/0	DQ14	SDRAM data 14
52	-	VSSQ	Ground
53	1/0	DQ15	SDRAM data 15
54	-	VSS	Ground

# I/O CHART OF IC8004

Pin No.	I/O	Signal Name	Description
1	-	A0	(Not used)
2	-	A1	(Not used)
3	-	A2	(Not used)
4	-	VSS	Ground
5	I/O	SDA	Serial data
6	1	SCL	Serial clock
7	-	WP	Write protect
8	-	VCC	+3.3V

# IC8005 IC-DETAIL BLOCK DIAGRAM

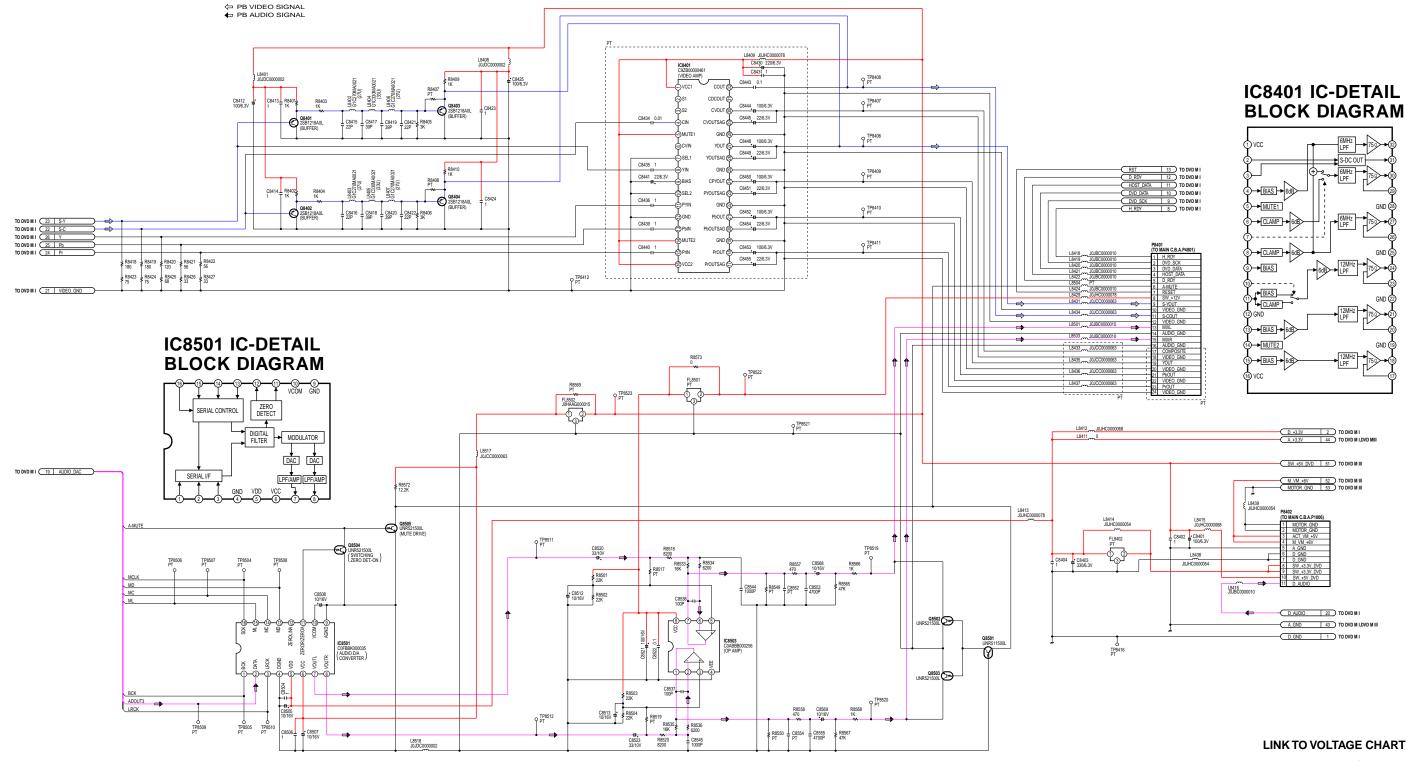


# **DVD MAIN II SCHEMATIC DIAGRAM**

OTE:
PARTS MARKED "PT" ARE NOT USED.

OTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.



LSJB2229
DVD MAIN II SCHEMATIC DIAGRAM
PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

#### **DVD MAIN III SCHEMATIC DIAGRAM** NOTE: For placing a purchase order of the parts, PARTS MARKED "PT" ARE NOT USED. FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES. be sure to use the part number listed in the parts list. REFER TO BEGINNING OF SCHEMATIC SECTION. Do not use the part number on this diagram. TP8803 TP8801 TP8821 TP8822 TP8809 TP8807 TP8806 PT PT PT PT PT PT PT TP8805 PT TO DVD M I 3 DRIVER\_MUTE3 BIAS2 TO DVD M I 40 VHALF BIAS1 OPOUT AD1 30 TO DVD M I I C8803 ₹ R8802 15K R8805 82K TO DVD M I 6 DRIVER\_MUTE1 OPIN(-) R8804 82K TO DVD M I 7 DRIVER MUTE2 → MUTE2 OPIN(+) SPIN GND ( TO DVD M I ( 16 | SPIN TRVIN 28 TO DVD M I TO DVD M I 15 TRVIN TKIN (S TKIN 27 TO DVD M I TO DVD M I 18 TRAYIN FOIN ( > VCC3 VCC45 TP8823 PT P8801 (TO DVD SUB C.B.A.P8951) த் LDM-VCC12 ( C8813 C8807 C8808 T1 T10 33/10V DM+ PGND (\$ C8805 TRVM+ F0- € TRVM-F0+ € SPM+ SPM-CLOSE L TO DVD M II 53 | MOTOR\_GND A GND OPEN\_L A\_+3.3V C8809 T 0.1 TP8820 PT 44 TO DVD M II 5 TO DVD M II 4 TO DVD M I 1 C8811 T PT IC8801 **IC-DETAIL BLOCK DIAGRAM** TO DVD M I 17 HFMON TO DVD M I 29 AD0 TP8906 PT Q8906 UNR511500L (SWITCHING) MUTE CH3 TO DVD M II 51 SW\_+5V\_DVD L8901 J0JDC0000002 C8908 47/6.3V P8901 (TO DVD MECHANISM UNIT) MUTE CH1 Q8905 UNR521100L (SWITCHING) C8902 \_ 1 C8904 **≯** T PT R8912 47K C8916 ₹ R8906 T PT ₹ 820 MUTE CH2,4,5 ≱ R8918 10 R8913 47K C8901 R8917 10 R8908 56 Q8901 2SD1819A0L C8922 56P R8909 56 R8902 22K TO DVD M I 47 LPCO1 Q8902 2SD1819A0L (AMP) R8903\_22K TO DVD M I 45 LPCO2 Ĺ C8910 PT ₹ R8905 330 TO DVD M II 43 A\_GND TO DVD M I 48 LPC1 TO DVD M I 46 LPC2 TO DVD M I 42 RFN TO DVD M I 41 RFP 33 VIN3 37 VIN7 TO DVD M I TO DVD M I TO DVD M I 31 VIN1 TO DVD M I 32 VIN2 LINK TO VOLTAGE CHART TO DVD M I **LSJB2229** TO DVD M I 39 | VREF+2.2V

**DVD MAIN III SCHEMATIC DIAGRAM** 

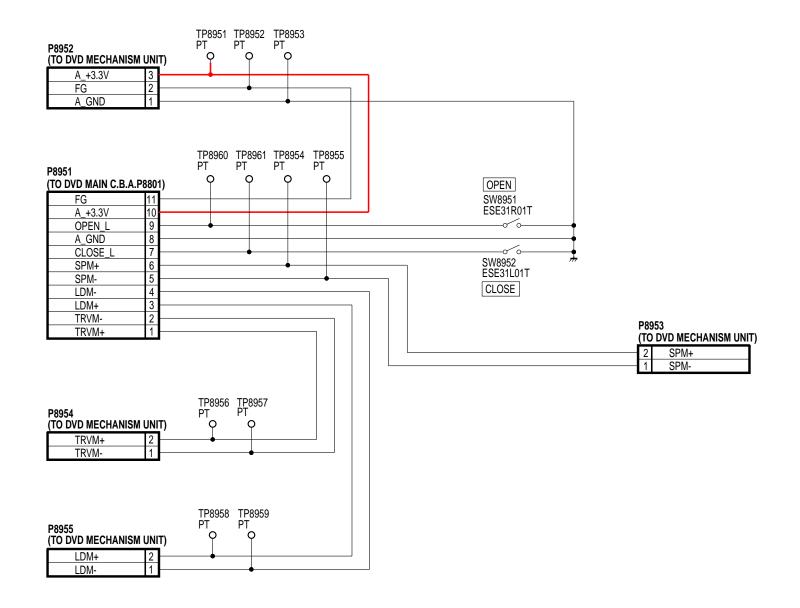
PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

# **DVD SUB SCHEMATIC DIAGRAM**

NOTE:
PARTS MARKED "PT" ARE NOT USED.

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.



LINK TO VOLTAGE CHART

#### 8.7. INTERCONNECTION SCHEMATIC DIAGRAM

# INTERCONNECTION SCHEMATIC DIAGRAM

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

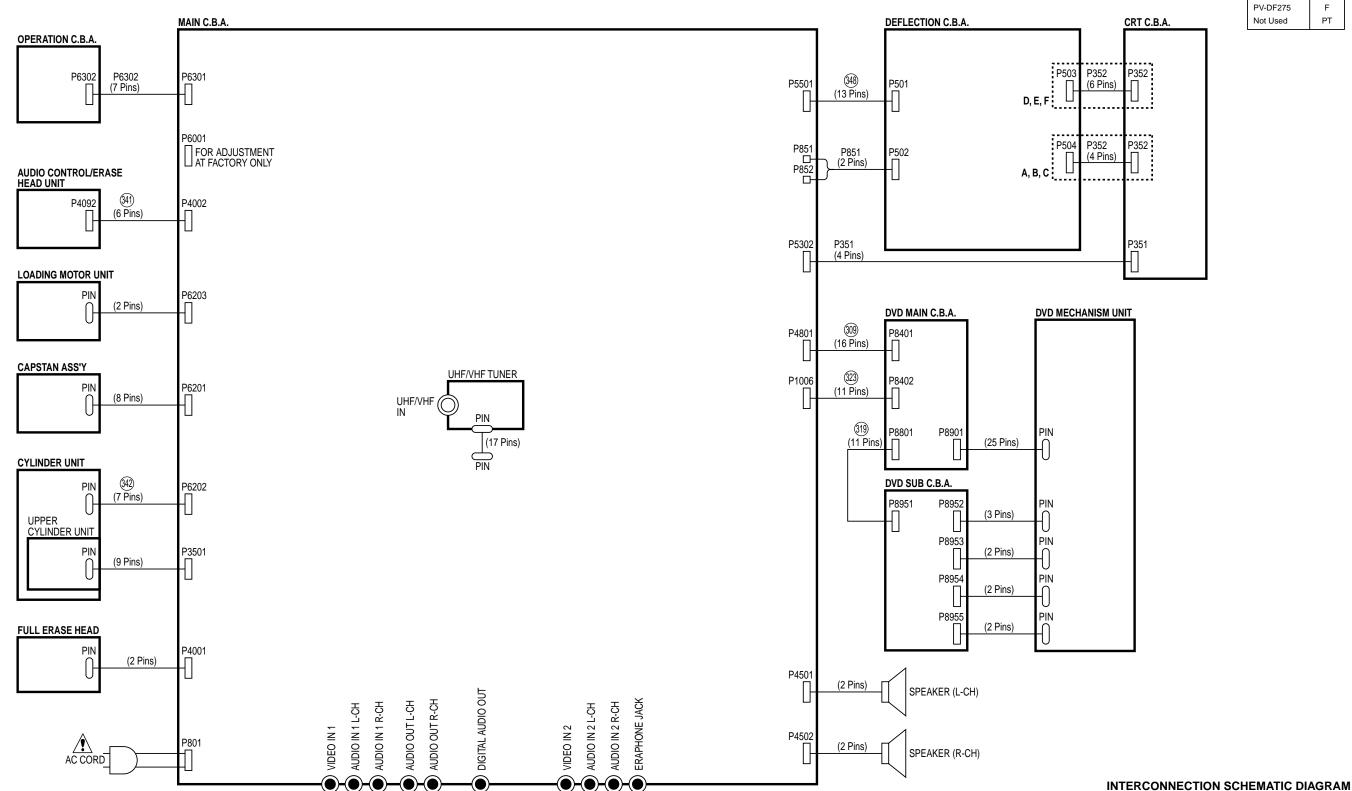
OTE:
PARTS MARKED "PT" ARE NOT USED.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

#### COMPARISON CHART OF MODELS & MARKS

o. modelo a	
MODEL	MARK
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	E
PV-DF275	F
Not Used	PT



OTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

PV-DF205 / PV-DF2035 / PV-DF275 / PV-DF2735 / PV-DF2035-K / PV-DF2735-K

#### MAIN C.B.A. (SYSTEM CONTROL/SERVO SECTION)

MAIN	C.B.A	۱. (SY	STEM CON	NTRO	L/SE
MODE PIN NO.	REC	PLAY	MODE PIN NO.	REC	PLAY
IC6001			55	2.6	2.6
1	5.2	5.2	56	0	0
2	5.2	5.2	57	0	0
3	5.2	5.2	58	0.3	0.3
4	5.2	5.2	59	0.4	0.4
5	4.2	4.2	60	0.4	0.4
6	2.6	2.6	61	0	0
7	4.9	4.9	62	0.1	0.1
8	4.9	4.9	63	0.1	0.1
9	3.5	2.1	64	0.1	0.1
10	0	0	65	0.1	0.1
11	4.9	4.9	66	2.0	2.0
12	0.3	0.3	67	2.0	2.0
13	0.3	0.3	68	0	0
14	5.2	5.2	69	0.3	
15					0.3
	5.1	5.1	70	5.1 3.2	5.1 3.2
16	5.1	5.1	71		
17	0	0	72	2.8	2.8
18	2.6	2.6	73	0	0
19	0	2.6	74	0.2	0.2
20	5.0	0.2	75		
21	5.1	5.1	76	2.7	3.2
22	5.1	5.1	77	2.6	2.8
23	5.1	5.1	78	5.2	5.2
24			79		
25	0	5.1	80		
26	0	5.2	81	5.2	5.2
27	5.2	5.2	82	0	0
28	5.2	0	83	0	0
29	0	0	84	0.1	0.1
30	0	0	85	0.2	0.2
31	4.6	0	86	2.6	2.6
32	4.7	5.2	87	2.6	2.6
33	0	0	88	0	0
34	5.2	5.2	89	0.3	0.3
35	0	0	90	1.4	1.4
36	5.2	5.2	91	2.6	2.6
37	5.2	5.2	92	2.6	2.6
38	2.4	2.4	93	1.3	4.3
39	2.4	2.4	94	2.4	2.6
40	0	0	95	2.9	2.6
41	5.0	5.0	96	2.6	2.6
42	5.2	5.2	97	2.6	2.6
43	5.2	5.2	98	5.2	5.2
44	2.5	2.5	99	5.2	5.2
45	2.5	2.5	100	0.3	0.3
46	0	0	IC6002		
47	0	0	А	1.3	1.3
48	5.1	5.1	K	0	0
49	0	0	E	0	0
50	0	0	С		
			100000		
51	0.6	0.6	IC6003		
51 52	0.6	0.6	A	2.4	2.4
		0.6  5.2		2.4	2.4

/MODE	REC	PLAY
PIN NO.	ILLO	1 2/11
C		
IC6004		
1	0	0
2	0	0
3	0	0
4	0	0
5	5.2	4.8
6	5.2	5.0
7	0	0
8	5.0	5.0
IC6005	5.0	5.0
1	5.1	5.2
2		
	5.0	5.0
3	0	0
4	0	0
5	5.0	5.0
6	0	0
IC6201	44.5	44.5
1	11.9	11.9
2	3.1	3.1
3	0	0
4	3.0	3.0
5	0.1	0.1
6	0.1	0.1
7	16.7	16.7
8	0	0
9	2.9	2.9
10	1.7	1.7
11	1.7	1.7
12	0.7	0.7
13	0	0
14	2.6	2.6
15	2.7	2.7
16	2.7	2.7
17	2.7	2.7
18	1.4	1.4
19	5.2	5.2
20	3.7	3.7
21	11.9	11.9
22	3.8	3.8
23	3.8	3.8
24	0	0
25	3.8	3.8
26	0	0
27	0	0
-	-	
Q6001		
E	12.1	12.2
C	11.9	0.6
В	11.3	12.3
Q6002	11.0	12.0
E	4.4	0
С	11.3	12.2
В	5.0	0
ט	5.0	J

MODE PIN NO.	REC	PLAY
Q6003	_	
Е	0	0
С	0.1	0.2
В	0.6	0.6
Q6005		
Е	5.1	5.2
С	5.0	5.1
В	4.3	4.3
Q6006	1.0	1.0
	0	0
E	0	
С	5.0	0
В	0	0
Q6009		
Е	0.1	0.1
С	5.0	5.0
Q6010		
Е	0.1	0.1
C	4.8	5.1
	7.0	0.1
TD6004	4.0	4.0
TP6001	4.9	4.9
TP6002	4.9	4.9
TP6003	3.5	2.1
TP6004		
TP6005		
TP6006	0	0
TP6007	5.1	5.1
TP6008	0	0
TP6009	5.2	5.2
TP6013	0	0
TP6019	4.9	4.9
TP6099	5.2	5.1
TP6101	5.1	5.1
TP6104	5.1	5.1
TP6106	5.2	5.2
TP6111	0	0
TP6201	2.7	3.1
TP6202	2.6	2.8
TP6203	2.6	2.6
TP6205	2.6	2.6
TP6206	2.9	2.6
TP6207	2.6	2.6
TP6208	2.6	2.6
TP6209	2.4	2.4
		L

VOLTAGE CHART PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

#### MAIN C.B.A. (VIDEO/AUDIO SECTION)

MAIN	C.B.A	ı. (VII	JEO/A	טוטטו	SEC	HON	)
MODE PIN NO.	STOP		MODE PIN NO.	STOP		MODE PIN NO.	
IC850			2	15.3		51	
1	160.7		3			52	
2	0.1		4	0		53	
3	0		5	0		54	
4	38.5	İ	IC3001			55	
5	2.4	İ	1			56	Г
IC1001		İ	2	0		57	Г
1	163.9	İ	3			58	Г
2		İ	4	5.1		59	Г
3	0	i	5	2.1		60	Н
4	19.9	i	6	2.6		61	Н
5	0.1	i	7	2.8		62	Н
6	1.8	l	8	1.9		63	Н
7	0.9	ŀ	9	1.9		64	
IC1002	0.3	ŀ	10	1.9		65	
1	4.9	ļ	11			66	_
2	3.8	ŀ	12	2.6 1.6		67	-
	4.3	ł		0		68	-
<u>3</u> 4			13 14				_
C1003	19.9	ł	15	2.7		69 70	-
	2.5	ł		2.7		71	-
1	2.5		16 17	2.0			_
3	3.8			2.8		72	_
IC1004	3.0		18 19	2.0		73 74	H
1			20	0		75	_
2	0		21	2.7		76	
3	5.1		22	5.0		77	_
4	5.5		23	2.3		78	_
5	5.0		24			79	
IC1005	0.0		25	0		80	Н
1	5.1		26	3.0		81	Н
2	9.2		27			82	Г
3	0		28	0		83	Г
4	6.5		29	2.2		84	Г
5	5.0		30	2.8		85	Г
IC1006	0.0	i	31			86	Г
1	5.1	İ	32	2.5		87	Г
2	5.1	İ	33	2.1		88	Г
3	0		34			89	
4	3.3		35	3.0		90	
5	3.3		36	2.3		91	Г
IC1201			37	3.0		92	Г
1	4.6		38	2.2		93	Г
2	13.7		39	1.4		94	
3	0		40	2.1		95	Г
4	12.0	•	41	3.0		96	Г
5	12.0	<u> </u>	42	2.0		97	
IC1202		1	43	2.1		98	
1	0	1	44	0		99	
2	4.6	1	45	3.2		100	
3	15.3		46	3.2		IC4201	
4	14.4		47	5.0		1	
5	15.3		48	4.8		2	
IC1301			49	3.2		3	
1	15.3		50	5.0		4	

STOP	/MODE	STOP
	PIN NO.	
2.0	5	2.5
5.0	6	2.5
2.6	7	2.2
0	8	0.4
2.1	9	0.4
0	10	0
2.2	11	
	1 —	2.2
2.2	12	
4.9	13	2.6
4.9	14	0
3.9	15	0
2.3	16	2.6
2.2	17	0.8
2.3	18	2.6
2.3	19	2.5
2.3	20	2.1
2.2	21	2.1
1.2	22	2.1
2.0	23	0
2.7	24	2.1
0	25	5.0
4.8	26	2.1
	1 1	0
3.7	27 28	3.8
	1 —	
2.8	29	1.5
2.2	30	8.0
2.8	31	0.1
0	32	2.5
0	33	2.5
2.3	34	0.7
0	35	2.5
	36	0.1
3.4	37	1.7
5.0	38	0
2.2	39	
2.2	40	5.0
2.2	41	0
0	42	4.9
2.2	43	4.9
2.2	43	0
2.2	45	0
5.1	46	0
1.5	47	2.5
2.5	48	2.3
2.5	49	0.4
2.5	50	3.6
0	51	5.0
2.3	52	3.6
0	53	6.0
2.6	54	2.5
	55	0
0.4	56	0
0.4	57	6.0
_	1 —	
2.5	58	12.0
0	59	

MODE	STOP		MOI
PIN NO.		1	PIN
60	0.2		1
61	2.5	1	1
62	2.5	l	1
63	2.8		1
64	0.6		1
IC4501		1	1
1	10.5	1	1
2	0	1	1
3	0	İ	1
4	1.7	İ	2
5	1.1	İ	2
6	13.4	İ	2
7	21.1	İ	2
8	10.7	ł	2
9	0	ł	2
10	0	ł	2
11		ł	
	0 10.7	ł	2
12	10.7	ł	2
13		ł	2
IC4601			3
1	4.5		3
2	4.5	ł	3
3	4.5	ļ	3
4	4.5	<u> </u>	3
5	4.5		3
6	4.5	ļ	3
7	4.5	ļ	3
8	2.2	ļ	3
9	4.5	ļ	3
10	5.2	ļ	4
11	4.5	1	4
12	4.5	1	4
13	2.8	1	4
14	3.3	l	4
15	2.8	l	4
16	0		4
17	4.5		4
18	4.5		4
19	4.5	1	IC5
20	4.5	İ	
21	4.5	İ	2
22	4.5	İ	(
23	4.5	İ	
24	4.5	İ	
IC5301		İ	(
1	2.7	İ	ì
2	0.1	ł	-
3		1	IC5
4	0.1	1	105
	2.1	1	_
5	2.1	1	2
6	2.1	1	- 3
7	0.1		4
8	0.1	1	
9	0	ļ	6

10 3.9

MODE	STOP	MODE
PĪN NO.		PIN NO.
11	0.1	8
12	0.1	9
13	4.3	10
14	6.2	11
15	0.2	12
16	0.2	13
17	0	14
18	0.2	15
19	0.2	16
20	0.2	IC5653
21	0.2	1
22	3.8	2
23	3.8	3
24	9.1	4
25	3.6	5
26	9.0	6
27	0	7
28	0	8
29	0	
30	5.8	Q591
31	6.3	Е
32	3.5	С
33	6.4	В
34	8.2	Q801
35	0	Е
36	0.1	С
37	9.7	В
38	9.0	Q1201
39	2.2	1
40	2.3	2
41	2.4	3
42	0	4
43	5.2	5
44	5.2	6
45		Q1206
46	2.7	Е
47	5.0	С
48	0.7	В
IC5352		Q3001
1	2.3	Е
2	4.3	C
3	2.5	В
4	0.1	Q3002
5	3.2	Е
6	5.0	С
7	0.3	В
8	0	Q3003
IC5651		Е
1	0	С
2	2.3	В
3	2.9	Q3005
4	2.5	Е
5	1.4	С
6	0	В
7	0	

7 0

	STOP
۱	5.1
۲	0
ŀ	_
	2.4
	2.3
	3.5
	3.9
	1.7
	3.8
	5.1
	J. 1
_	3.4
_	0
	3.4
	4.9
	3.4
	5.0
	1.4
	0
	U
_	
	0
_1	12.0
_	0
	0
	0.2
	0.7
	0
_	4.6
2	28.3
	28.3
	0
_	0
_	U
_	5.1
	5.2
	5.9
_	
	0
	0.1
	0.1
	U
	1.7
	5.0
	2.3
	1.7
	0
	1.0
	0
	)
	1.7

MODE STOP PIN NO.

1.6

7.5

6.9 9.0

7.5

0 0 4.7

В

С

В

С

В

E C B

Q5901

E 9.1 C 12.1 B 9.7

TP809 0 TP810 0.2 TP851 132.8 TP852 0

TP860 22.0 TP861 0 TP1001 28.3 TP1002 15.3 TP1003 6.4 TP1004 5.3 TP1005 0 TP1201 28.3 TP1202 5.1 TP1203 5.1 TP1204 15.3

TP3001 1.8 TP3002 2.2 TP3012 2.1 TP4001 0

TP4002 0 TP4003 0 TP4004 0 TP4011 0 TP4014 0 TP4101 0 TP4102 0 TP4103 0 TP4201 TP4202 0 TP4205 1.5 TP4206 4.6 TP4207 0.7 TP4208 0

TP4209 0.4 TP4501 11.0 TP4502 11.0

TP4507 0

C 0

Q5659

Q5658 Е

Q5657 Е

			DEFLI	ECTIO	ON C.	B.A.	
MODE PIN NO.	STOP		MODE PIN NO.	STOP		MODE PIN NO.	STOP
TP4508	0	i i	IC451		ł	Q754	
TP4509	0		1	10.4	ł	E	1.8
TP4509	10.9	ł	2	3.8	1	C	0
TP4592	10.9	ł	3	5.2	ł	В	2.5
TP5009		ł	4	5.5	ł		2.5
TP5009	0	1	5	0	1	TP501	132.3
TP5301	3.7	ł	6	5.1	ł	TP502	0
TP5302	3.7	ł	7	4.9	ł	TP503	132.7
TP5303	3.9	i i	8	27.7	l	TP551	-6.7
TP5305	3.7	i i	9	2.0	l	TP552	-8.2
TP5307	3.7	i i	10	1.5	l	TP553	5.6
TP5308	2.7	1 1	11	0	i	TP554	21.2
TP5309	1.8	i i	12	15.2	l	TP556	229.0
TP5310	7.4	1 1	13	28.1	l	TP558	27.7
TP5312	6.3	1 1	IC752	20.1	l	11 000	
TP5313	0.2	1	1	1.3	l		
TP5401	3.8	i	2	2.9	i		
TP5402	2.3	1	3	2.9	i		
TP5501	0.7	1	4	0	İ		
TP5503	1.6	i	5	3.7	İ		
TP5504	-0.3	i	6	3.8	İ		
TP5505	0	i	7	3.8	İ		
TP5651	2.7	i	8	12.0	İ		
TP5652	6.1	1		12.0	İ		
TP9501	0	i i	Q431		İ		
TP9553	0	i i	E	2.9	İ		
TP9554	0	i i	C	0	İ		
		i i	В	2.2	İ		
		i i	Q501		1		
		i i	E	0	1		
		i i	С	94.7	İ		
		i i	В	0.4	İ		
		i i	Q523		İ		
		i i	Е	132.7	İ		
		i i	С	0.2	1		
		i i	В	132.2	1		
		i i	Q551		1		
			Е	0			
			С		]		
			В	0			
			Q571				
			E	1.3			
		]	С	11.6	]		
		]	В	1.6	]		
			Q751				
			E	0			
			С	12.3	]		
			В	0.6	[		
			Q753				
			Е	4.8	]		
			С	0.7			
			В	4.2	]		
i l			i	ı	i	i	ı

MODE STOP PIN NO.

0.1

3.3

0

0.1

5.1

0

5.1

Е

С

В

Q8901

Е

С

В

Q8902

Е

С

В

Q8903

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

# COMPARISON CHART OF MODELS & MARKS

O. MODELO G	1417-11-11-11
MODEL	MAR
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	Е
PV-DF275	F
	•

CRT C.B.A.	CRT C.B.A.	DVD MAIN
(A,B,C)	(D,E,F)	C.B.A.

(A,B,C)	(D E E)			
	(D,E,F)		C.B.A.	
MODE STOP	MODE S	STOP	MODE	STOP
PIN NO.	PIN NO.		PIN NO.	
Q351	Q351		IC8001	
E 3.1		11.0	1	
		11.9		
C 131.1		54.9	2	
B 3.5		12.0	3	0
Q352	Q352		4	
E 3.1	E 1	11.9	5	
C 127.9	C 16	65.2	6	3.3
B 3.5	B 1	12.0	7	
Q353	Q353		8	
E 3.0		11.9	9	0
C 131.9		64.3	10	
B 3.5		12.0		
Б 3.5		.2.0	11	
	Q354		12	3.3
TP47 0	E	3.4	13	
TP49 3.5	C 1	11.9	14	
TP50 131.9	В	3.9	15	
	Q355		16	0
	E	3.2	17	
		11.9	18	
	В	3.7	19	3.3
	Q356	<u> </u>	20	0
	E	3.2		3.4
			21	
		11.9	22	3.4
	В	3.7	23	
			24	
	TP46	3.9	25	
	TP47	0	26	1.2
	TP48	3.7	27	
	TP49	3.7	28	3.3
		64.3	29	0
		35.2	30	0.4
	11-31 10	55.2	31	
				0.9
	1	<b>—</b>	32	
			33	
			34	3.3
				3.3 0
			34	
			34 35	0
			34 35 36	0
			34 35 36 37 38	0   2.2
			34 35 36 37 38 39	0 
			34 35 36 37 38 39 40	2.2
			34 35 36 37 38 39 40 41	2.2
			34 35 36 37 38 39 40 41 42	2.2
			34 35 36 37 38 39 40 41 42 43	0  2.2    0.3
			34 35 36 37 38 39 40 41 42 43 44	0  2.2   0.3 1.2
			34 35 36 37 38 39 40 41 42 43 44 45	0  2.2    0.3
			34 35 36 37 38 39 40 41 42 43 44	0  2.2   0.3 1.2
			34 35 36 37 38 39 40 41 42 43 44 45	0  2.2   0.3 1.2 0.1
			34 35 36 37 38 39 40 41 42 43 44 45 46	0  2.2   0.3 1.2 0.1
			34 35 36 37 38 39 40 41 42 43 44 45 46 47	0  2.2  0.3 1.2 0.1
			34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	0  2.2  0.3 1.2 0.1  3.3 0
			34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	0 2.2 0.3 1.2 0.1 3.3 0
			34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	0 2.2 0.3 1.2 0.1 3.3 0
			34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	0 2.2 0.3 1.2 0.1 3.3 0 2.0
			34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	0 2.2 0.3 1.2 0.1 3.3 0

MODE PIN NO.	STOP	MODE PIN NO.	STOP
55		110	1.9
56	3.4	111	1.9
57	3.4	112	1.7
58	3.3	113	1.7
59		114	
	3.3		1.7
60		115	1.7
61		116	1.7
62	3.3	117	1.7
63	0	118	3.3
64	0	119	2.0
65		120	1.7
66	3.4	121	1.5
67	3.4	122	0
68		123	0.4
69	3.4	124	1.2
70		125	0.4
71	0.1	126	0.2
72	1.2	127	2.3
73	3.4	128	1.7
74	0	129	2.3
75	1.7	130	2.2
76	2.4	131	2.4
77		132	2.4
78	0.1	133	2.4
79		134	2.4
80	3.4	135	2.0
81	3.3	136	2.0
82	3.1	137	2.0
83		138	2.0
84	3.3	139	1.8
85		140	
86		141	3.4
		142	1.3
87	0		
88	1.2	143 144	2.1
89	1.2		2.1
90	3.4	145	0
91	3.4	146	0.5
92	3.4	147	1.7
93	0	148	1.7
94		149	0.7
95		150	0
96		151	0.5
97		152	0.5
98	3.3	153	1.4
99	0.9	154	1.4
100	0	155	2.2
101	2.4	156	0.5
102	2.2	157	0
103	1.9	158	0.9
104	0.3	159	3.3
105	0	160	0
106	1.4	161	3.3
107	3.3	162	0
100	2.1	162	10

108

109

2.1

l	MODE	CTOD		MODE	CTOD
	MODE	STOP		MODE	STOP
	PIN NO.\			PIN NO.\	
	165	1.7		220	
	166	1.7		221	
	167	3.3		222	0
	168	1.6		223	
	169	1.8		224	
	170	1.7		225	3.3
	171	1.4		226	
	172	1.3		227	
	173	0		228	
	174	0		229	0
	175	0		230	
	176	0		231	3.3
	177	1.7		232	1.7
	178	3.3		233	
	179	0		234	2.3
	180			235	0
	181			236	1.3
	182			237	
	183			238	
	184			239	3.3
	185			240	3.0
	186			241	3.3
	187			242	0
	188			243	1.9
	189			244	3.3
	190	3.3		245	3.2
				246	
	191	0			3.3
	192	4.5		247	0
	193	1.5		248	0
	194			249	2.4
	195			250	0
	196	3.3		251	1.5
	197			252	
	198			253	0
	199			254	
	200			255	3.3
	201	0		256	
	202	3.3		IC8002	
	203			1	
	204			2	
	205	0		3	
	206			4	
	207			5	
	208			6	
	209	3.3		7	
	210			8	
	211			9	0.1
	212			10	3.4
	213	0		11	3.4
	214	2.4		12	3.4
	215	2.4		13	3.3
	216	3.3		14	3.3
	217			15	0.9
	218	0		16	0.9
	219	1.3		17	0.3
	_		-		

1.8

163

164 0

	0101	PIN NO.	0101	F
		18		
1		19		
1	0	20		Γ
		21		Г
		22		r
	3.3	23		r
		24		H
		25		H
		26	2.2	H
	0	27	0	H
			2.0	H
		28	2.0	H
	3.3	29		H
	1.7	30		ŀ
		31		ŀ
	2.3	32		L
	0	33		L
	1.3	34		L
		35		L
		36		L
	3.3	37	3.3	L
	3.0	38		
	3.3	39		Г
	0	40		Γ
	1.9	41		Γ
	3.3	42		Ī
	3.2	43		r
	3.3	44		r
	0	45		H
	0	46	0	H
	2.4	47	3.3	H
	0	48	0.4	H
	1.5	IC8003	0.4	H
			2.2	H
		1	3.3	H
	0	2		ŀ
		3	3.3	ŀ
	3.3	4		ŀ
		5		L
		6	0	L
		7		L
		8		L
		9	3.3	L
		10		L
		11		L
		12	0	L
		13		
		14	3.3	Ĺ
	0.1	15	2.4	ſ
	3.4	16	0	Γ
	3.4	17	3.2	Γ
	3.4	18	3.3	T
	3.3	19	3.0	İ
	3.3	20	2.3	t
	0.9	21	1.7	H
	0.9	22	1.7	H
	0.9	22		H

					1		
MODE_	STOP		WODE	STOP	l	WODE_	STOP
PIN NO.			PIN NO.		l	PIN NO.	
18		İ	24		İ	6	5.0
19			25		İ	7	0.1
20			26		ł	8	0.1
					ł		
21			27	3.3	ł	9	0
22			28	0	ł	10	0
23			29			11	
24			30		ļ	12	
25			31			13	1.6
26	2.2		32		1	14	0.4
27	0		33		l	15	3.3
28	2.0		34			16	0.3
29		i i	35		İ	IC8503	
30			36		İ	1	6.2
31			37	3.3	İ	2	1.0
32			38	3.3	ł	3	6.2
					ł	4	
33			39	1.5	1		0
34			40		1	5	6.0
35			41	0	ļ	6	6.0
36			42			7	0.1
37	3.3		43	3.3	1	8	12.0
38			44		l	IC8801	
39			45		1	1	0
40		l l	46	0	İ	2	1.6
41			47		İ	3	3.3
42			48		İ	4	3.3
43			49	3.3	ł	5	1.8
					ł		
44			50		ł	6	1.6
45			51		ł	7	1.6
46	0		52	0	ļ	8	6.5
47	3.3		53		ļ	9	3.0
48	0.4		54	0		10	3.0
IC8003			IC8004		1	11	3.1
1	3.3		1	0	l	12	2.9
2			2	0		13	1.4
3	3.3		3	0	1	14	4.6
4		i i	4	0	İ	15	3.0
5			5	3.3	1	16	3.0
6	0		6	3.2	1	17	3.0
7			7	0	1	18	3.0
			8		1		
8	2.2			3.3	1	19	0
9	3.3		IC8005	4.0	1	20	6.5
10			1	1.2	1	21	6.5
11			2	1.1	1	22	1.6
12	0		3	3.3		23	1.6
13			4	3.3		24	0
14	3.3		5	0	]	25	2.1
15	2.4		6	0		26	2.1
16	0		7	2.2	]	27	2.2
17	3.2		8	2.2	1	28	1.6
18	3.3		IC8501		1		
19	3.0		1	1.7	1	Q8504	
20	2.3		2	0.1	1	E	0
-					1	C	
21	1.7		3	1.7	1		0
22			4	0	ļ	В	0.1
23			5	3.3	]	Q8505	

3		l	Q8903	
	6.2		Е	5.1
	1.0		С	0
	6.2		В	5.1
	0		Q8904	
	6.0		Е	5.1
	6.0		С	0
	0.1		В	5.1
	12.0		Q8905	
1			Е	0
	0		С	3.9
I	1.6		В	0.3
	3.3		Q8906	
	3.3		Е	5.0
	1.8		С	5.1
	1.6		В	0.1
	1.6			
	6.5		TP8001	0
	3.0		TP8003	2.2
	3.0		TP8005	4.4
	3.1		TP8006	3.4
	2.9		TP8007	3.4
	1.4		TP8008	4.8
	4.6		TP8009	2.9
	3.0		TP8010	3.5
	3.0		TP8011	3.3
	3.0		TP8012	1.3
	3.0		TP8013	3.3
	0		TP8014	0
	6.5		TP8015	3.3
	6.5		TP8016	0
	1.6		TP8018	1.7
	1.6		TP8019	1.8
	0		TP8020	1.7
	2.1		TP8021	0
	2.1		TP8022	1.6
	2.2		TP8023	1.4
	1.6		TP8024	2.0
			TP8025	1.7
4			TP8027	1.6
	0		TP8028	1.6
	0		TP8029	1.5
	0.1		TP8030	1.5
5			TP8031	1.7

PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

DVD SUB C.B.A.

MODE PINNO.         STOP PINNO.         MODE PINNO.         STOP PINNO.           TP8032         0.1         TP8823         6.5         TP8951         3.3           TP8033         0.1         TP8902         5.1         TP8952         1.5           TP8036         0         TP8903         5.1         TP8954         1.4           TP8037         3.4         TP8912         2.3         TP8956         3.0           TP8401         0.5         TP8912         2.3         TP8956         3.0           TP8402         1.2         TP8912         2.3         TP8956         3.0           TP8403         0.4         TP8916         2.5         TP8959         3.0           TP8404         0.5         TP8916         2.5         TP8960         3.3           TP8405         0.5         TP8917         2.5         TP8960         3.3           TP8406         0.6         TP8922         2.3         TP8960         3.3           TP8407         0         TP8922         2.3         TP89821         2.3           TP8411         1.5         TP8922         2.3         TP8972         1.5           TP8500         3.3         <							C.B.A	
TP8032	MODE	STOP		MODE	STOP		MODE	STOP
TP8033	PIN NO.			PIN NO.			PIN NO.	
TP8033	TP8032	0.1	<u> </u>	TP8823	6.5		TP8951	3.3
TP8034	TP8033	0.1	İ	TP8902			TP8952	
TP8035         0         TP8036          TP8036          TP8036         0.5         TP8906         0.5         TP8935         4.6         TP8955         4.6         TP8956         3.0         TP8956         3.0         TP8956         3.0         TP8956         3.0         TP8956         3.0         TP8957         3.0         TP8957         3.0         TP8957         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8959         3.0         TP8950         3.3         TP8960         3.3         TP8960         3.3         TP8922         2.3         TP8961         0         TP8961         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
TP8036          TP8906         0.5         TP8955         4.6           TP8037         3.4         TP8912         2.3         TP8956         3.0           TP8038         0         TP8913         2.3         TP8957         3.0           TP8401         0.5         TP8914         2.3         TP8958         3.0           TP8402         1.2         TP8915         2.2         TP8959         3.0           TP8404         0.5         TP8915         2.2         TP8950         3.3           TP8405         0.5         TP8917         2.5         TP8960         0.3           TP8406         0.6         TP8920         2.3         TP8961         0           TP8407         0         TP8921         2.3         TP8961         0           TP8408         0         TP8922         2.3         TP8961         0           TP8410         1.2         TP8411         1.5         TP8922         2.3         TP8961         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0								
TP8037         3.4         TP8912         2.3         TP8966         3.0           TP8401         0.5         TP8913         2.3         TP8957         3.0           TP8402         1.2         TP8914         2.3         TP8958         3.0           TP8403         0.4         TP8915         2.2         TP8959         3.0           TP8404         0.5         TP8916         2.5         TP8960         3.3           TP8405         0.5         TP8919         2.4         TP8960         3.3           TP8406         0.6         TP8919         2.4         TP8960         3.3           TP8407         0         TP8912         2.3         TP8961         0           TP8408         0         TP8921         2.3         TP8961         0           TP8410         1.2         TP8922         2.3         TP8941         1.5         TP89410         1.2         TP89410         1.2         TP89410         1.2         TP8951         1.6         TP8501         1.6         TP8502         1.6         TP8511         2.6         TP8511         2.6         TP8512         2.6         TP8512         2.6         TP8512         3.0         TP8522								
TP8038         0         TP8913         2.3         TP8957         3.0           TP8402         1.2         TP8914         2.3         TP8958         3.0           TP8403         0.4         TP8915         2.2         TP8959         3.0           TP8404         0.5         TP8917         2.5         TP8960         3.3           TP8406         0.6         TP8917         2.5         TP8961         0           TP8407         0         TP8919         2.4         TP8960         3.3           TP8408         0         TP8921         2.3         TP8961         0           TP8410         1.2         TP8922         2.3         TP8961         1         0         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <td></td> <td>3.4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		3.4						
TP8401         0.5         TP8914         2.3         TP8958         3.0           TP8402         1.2         TP8915         2.2         TP8959         3.0           TP8403         0.4         TP8916         2.5         TP8960         3.3           TP8405         0.5         TP8917         2.5         TP8961         0           TP8406         0.6         TP8919         2.4         TP8961         0           TP8407         0         TP8922         2.3         TP8961         0           TP8408         0         TP8922         2.3         TP8409         0.4         TP8923         2.3         TP8410         1.2         TP8411         1.5         TP8922         2.3         TP8411         1.5         TP8412         0         TP8412         0         TP8412         0         TP8502         0         TP8503         1.6         TP8504         0         TP8505         1.6         TP8509         0         TP8510         1.7         TP8511         2.6         TP8512         2.6         TP8512         2.6         TP8512         2.6         TP8512         2.6         TP8512         2.6         TP8522         1.0         TP8523         5.1								
TP8402								
TP8403								
TP8404         0.5           TP8405         0.5           TP8406         0.6           TP8407         0           TP8408         0           TP8409         0.4           TP8410         1.2           TP8411         1.5           TP8412         0           TP8504         0           TP8505         1.6           TP8506         3.3           TP8507         3.1           TP8508         3.3           TP8509         0           TP8510         1.7           TP8511         2.6           TP8522         2.6           TP8523         5.1           TP8804         1.6           TP8805         2.2           TP8806         1.6           TP8807         1.6           TP8808         1.6           TP8809         1.8           TP8809         1.8           TP8809         1.6           TP8809         1.6           TP8809         1.6           TP8809         1.6           TP8811         1.4           TP8813         3.1 <t< td=""><td></td><td></td><td>İ</td><td></td><td></td><td></td><td></td><td></td></t<>			İ					
TP8405         0.5           TP8406         0.6           TP8407         0           TP8408         0           TP8409         0.4           TP8410         1.2           TP8411         1.5           TP8412         0           TP8504         0           TP8505         1.6           TP8506         3.3           TP8507         3.1           TP8508         3.3           TP8510         1.7           TP8511         2.6           TP8512         2.6           TP8513         6.0           TP8524         0           TP8525         1.6           TP8520         6.0           TP8521         0           TP8522         12.0           TP8523         5.1           TP8804         1.6           TP8803         0           TP8804         1.6           TP8805         1.6           TP8806         1.6           TP8807         1.6           TP8808         1.8           TP8811         1.4           TP8813         3.0			İ					
TP8406         0.6           TP8407         0           TP8408         0           TP8409         0.4           TP8410         1.2           TP8411         1.5           TP8412         0           TP8504         0           TP8505         1.6           TP8506         3.3           TP8507         3.1           TP8508         3.3           TP8510         1.7           TP8511         2.6           TP8512         2.6           TP8513         6.0           TP8521         0           TP8522         1.0           TP8523         5.1           TP8804         1.6           TP8803         0           TP8804         1.6           TP8805         2.2           TP8806         1.6           TP8809         1.8           TP8811         1.4           TP8813         3.1           TP8814         3.0           TP8815         3.0           TP8816         3.0           TP8817         3.0           TP8818         3.1			İ				0001	
TP8407         0           TP8408         0           TP8409         0.4           TP8410         1.2           TP8411         1.5           TP8412         0           TP8504         0           TP8505         1.6           TP8506         3.3           TP8507         3.1           TP8508         3.3           TP8509         0           TP8510         1.7           TP8511         2.6           TP8512         2.6           TP8513         6.0           TP8524         0           TP8525         1.0           TP8801         1.6           TP8802         1.6           TP8803         0           TP8804         1.6           TP8805         2.2           TP8806         1.6           TP8807         1.6           TP8809         1.8           TP8811         1.4           TP8812         3.0           TP8813         3.1           TP8814         3.0           TP8815         3.0           TP8818         3.1			İ					
TP8408         0           TP8409         0.4           TP8410         1.2           TP8411         1.5           TP8412         0           TP8504         0           TP8505         1.6           TP8506         3.3           TP8507         3.1           TP8508         3.3           TP8509         0           TP8510         1.7           TP8512         2.6           TP8513         2.6           TP8520         6.0           TP8521         0           TP8522         1.0           TP8523         5.1           TP8804         1.6           TP8803         0           TP8804         1.6           TP8805         2.2           TP8806         1.6           TP8807         1.6           TP8810         4.7           TP8811         1.4           TP8813         3.1           TP8814         3.0           TP8815         3.0           TP8816         3.0           TP8818         3.1           TP8819         3.0			İ					
TP8409         0.4         TP8923         2.3           TP8410         1.2         TP8411         1.5           TP8412         0         TP8416         0           TP8504         0         TP8505         1.6           TP8505         1.6         TP8506         3.3           TP8507         3.1         TP8508         3.3           TP8509         0         TP8510         1.7           TP8511         2.6         TP8512         2.6           TP8512         2.6         TP8521         0           TP8521         0         0         0           TP8522         1.0         0         0           TP8523         5.1         0         0         0           TP8801         1.6         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0			İ					
TP8410       1.2         TP8411       1.5         TP8412       0         TP8504       0         TP8505       1.6         TP8506       3.3         TP8507       3.1         TP8508       3.3         TP8509       0         TP8510       1.7         TP8511       2.6         TP8512       2.6         TP8519       6.0         TP8520       6.0         TP8521       0         TP8522       12.0         TP8523       5.1         TP8801       1.6         TP8803       0         TP8804       1.6         TP8805       2.2         TP8806       1.6         TP8807       1.6         TP8809       1.8         TP8810       4.7         TP8811       1.4         TP8812       3.0         TP8813       3.1         TP8814       3.0         TP8815       3.0         TP8818       3.1         TP8819       3.0         TP8820       1.5         TP8821       3.3    <								
TP8411       1.5         TP8416       0         TP8504       0         TP8505       1.6         TP8506       3.3         TP8507       3.1         TP8508       3.3         TP8509       0         TP8510       1.7         TP8511       2.6         TP8512       2.6         TP8519       6.0         TP8520       6.0         TP8521       0         TP8522       12.0         TP8523       5.1         TP8801       1.6         TP8803       0         TP8804       1.6         TP8805       2.2         TP8806       1.6         TP8807       1.6         TP8808       1.6         TP8810       4.7         TP8811       1.4         TP8812       3.0         TP8813       3.1         TP8814       3.0         TP8815       3.0         TP8818       3.1         TP8819       3.0         TP8820       1.5         TP8821       3.3				11 0020	2.0			
TP8412       0         TP8504       0         TP8505       1.6         TP8506       3.3         TP8507       3.1         TP8508       3.3         TP8509       0         TP8510       1.7         TP8511       2.6         TP8512       2.6         TP8513       6.0         TP8520       6.0         TP8521       0         TP8522       12.0         TP8523       5.1         TP8801       1.6         TP8803       0         TP8804       1.6         TP8805       2.2         TP8809       1.8         TP8810       4.7         TP8811       1.4         TP8813       3.1         TP8814       3.0         TP8815       3.0         TP8816       3.0         TP8817       3.0         TP8818       3.1         TP8820       1.5         TP8821       3.3								
TP8416       0         TP8504       0         TP8505       1.6         TP8506       3.3         TP8507       3.1         TP8508       3.3         TP8509       0         TP8510       1.7         TP8511       2.6         TP8512       2.6         TP8513       6.0         TP8520       6.0         TP8521       0         TP8522       12.0         TP8523       5.1         TP8801       1.6         TP8803       0         TP8804       1.6         TP8805       2.2         TP8806       1.6         TP8809       1.8         TP8810       4.7         TP8811       1.4         TP8812       3.0         TP8813       3.1         TP8814       3.0         TP8815       3.0         TP8817       3.0         TP8818       3.1         TP8819       3.0         TP8820       1.5         TP8821       3.3								
TP8504         0           TP8505         1.6           TP8506         3.3           TP8507         3.1           TP8508         3.3           TP8509         0           TP8510         1.7           TP8511         2.6           TP8512         2.6           TP8519         6.0           TP8520         6.0           TP8521         0           TP8522         12.0           TP8523         5.1           TP8801         1.6           TP8802         1.6           TP8803         0           TP8804         1.6           TP8805         2.2           TP8806         1.6           TP8807         1.6           TP8810         4.7           TP8811         1.4           TP8812         3.0           TP8813         3.1           TP8814         3.0           TP8815         3.0           TP8817         3.0           TP8818         3.1           TP8819         3.0           TP8820         1.5           TP8821         3.3 <td></td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td>								
TP8505       1.6         TP8506       3.3         TP8507       3.1         TP8508       3.3         TP8509       0         TP8510       1.7         TP8511       2.6         TP8512       2.6         TP8519       6.0         TP8520       6.0         TP8521       0         TP8522       12.0         TP8523       5.1         TP8801       1.6         TP8802       1.6         TP8803       0         TP8804       1.6         TP8805       2.2         TP8806       1.6         TP8809       1.8         TP8810       4.7         TP8811       1.4         TP8812       3.0         TP8813       3.1         TP8814       3.0         TP8815       3.0         TP8817       3.0         TP8818       3.1         TP8819       3.0         TP8820       1.5         TP8821       3.3								
TP8506       3.3         TP8507       3.1         TP8508       3.3         TP8509       0         TP8510       1.7         TP8511       2.6         TP8512       2.6         TP8519       6.0         TP8520       6.0         TP8521       0         TP8522       12.0         TP8523       5.1         TP8801       1.6         TP8802       1.6         TP8803       0         TP8804       1.6         TP8805       2.2         TP8806       1.6         TP8809       1.8         TP8810       4.7         TP8811       1.4         TP8812       3.0         TP8813       3.1         TP8814       3.0         TP8815       3.0         TP8817       3.0         TP8818       3.1         TP8819       3.0         TP8820       1.5         TP8821       3.3								
TP8507       3.1         TP8508       3.3         TP8509       0         TP8510       1.7         TP8511       2.6         TP8512       2.6         TP8519       6.0         TP8520       6.0         TP8521       0         TP8522       12.0         TP8523       5.1         TP8801       1.6         TP8802       1.6         TP8803       0         TP8804       1.6         TP8805       2.2         TP8806       1.6         TP8809       1.8         TP8810       4.7         TP8811       1.4         TP8812       3.0         TP8813       3.1         TP8814       3.0         TP8815       3.0         TP8817       3.0         TP8818       3.1         TP8819       3.0         TP8820       1.5         TP8821       3.3								
TP8508       3.3         TP8509       0         TP8510       1.7         TP8511       2.6         TP8512       2.6         TP8519       6.0         TP8520       6.0         TP8521       0         TP8522       12.0         TP8523       5.1         TP8801       1.6         TP8802       1.6         TP8803       0         TP8804       1.6         TP8805       2.2         TP8806       1.6         TP8809       1.8         TP8810       4.7         TP8811       1.4         TP8812       3.0         TP8813       3.1         TP8814       3.0         TP8815       3.0         TP8818       3.1         TP8819       3.0         TP8820       1.5         TP8821       3.3								
TP8509         0           TP8510         1.7           TP8511         2.6           TP8512         2.6           TP8519         6.0           TP8520         6.0           TP8521         0           TP8522         12.0           TP8523         5.1           TP8801         1.6           TP8802         1.6           TP8803         0           TP8804         1.6           TP8805         2.2           TP8806         1.6           TP8809         1.8           TP8810         4.7           TP8811         1.4           TP8812         3.0           TP8813         3.1           TP8814         3.0           TP8815         3.0           TP8817         3.0           TP8818         3.1           TP8819         3.0           TP8820         1.5           TP8821         3.3								
TP8510       1.7         TP8511       2.6         TP8512       2.6         TP8519       6.0         TP8520       6.0         TP8521       0         TP8522       12.0         TP8523       5.1         TP8801       1.6         TP8802       1.6         TP8803       0         TP8804       1.6         TP8805       2.2         TP8807       1.6         TP8809       1.8         TP8810       4.7         TP8811       1.4         TP8812       3.0         TP8813       3.1         TP8814       3.0         TP8815       3.0         TP8817       3.0         TP8818       3.1         TP8819       3.0         TP8820       1.5         TP8821       3.3								
TP8511 2.6 TP8512 2.6 TP8519 6.0 TP8520 6.0 TP8521 0 TP8522 12.0 TP8523 5.1 TP8801 1.6 TP8802 1.6 TP8803 0 TP8804 1.6 TP8805 2.2 TP8806 1.6 TP8807 1.6 TP8809 1.8 TP8811 1.4 TP8811 3.0 TP8813 3.1 TP8814 3.0 TP8815 3.0 TP8815 3.0 TP8816 3.0 TP8817 3.0 TP8818 3.1 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8820 1.5 TP8821 3.3								
TP8512       2.6         TP8519       6.0         TP8520       6.0         TP8521       0         TP8522       12.0         TP8523       5.1         TP8801       1.6         TP8802       1.6         TP8803       0         TP8804       1.6         TP8805       2.2         TP8807       1.6         TP8809       1.8         TP8810       4.7         TP8811       1.4         TP8812       3.0         TP8813       3.1         TP8814       3.0         TP8815       3.0         TP8817       3.0         TP8818       3.1         TP8819       3.0         TP8820       1.5         TP8821       3.3								
TP8519         6.0           TP8520         6.0           TP8521         0           TP8522         12.0           TP8523         5.1           TP8801         1.6           TP8802         1.6           TP8803         0           TP8804         1.6           TP8805         2.2           TP8807         1.6           TP8809         1.8           TP8810         4.7           TP8811         1.4           TP8812         3.0           TP8813         3.1           TP8814         3.0           TP8815         3.0           TP8816         3.0           TP8817         3.0           TP8818         3.1           TP8819         3.0           TP8820         1.5           TP8821         3.3								
TP8520         6.0           TP8521         0           TP8522         12.0           TP8523         5.1           TP8801         1.6           TP8802         1.6           TP8803         0           TP8804         1.6           TP8805         2.2           TP8806         1.6           TP8809         1.8           TP8810         4.7           TP8811         1.4           TP8812         3.0           TP8813         3.1           TP8814         3.0           TP8815         3.0           TP8816         3.0           TP8817         3.0           TP8818         3.1           TP8819         3.0           TP8820         1.5           TP8821         3.3			1					
TP8521 0 TP8522 12.0 TP8523 5.1 TP8801 1.6 TP8802 1.6 TP8803 0 TP8804 1.6 TP8805 2.2 TP8806 1.6 TP8807 1.6 TP8809 1.8 TP8810 4.7 TP8811 1.4 TP8812 3.0 TP8813 3.1 TP8814 3.0 TP8815 3.0 TP8815 3.0 TP8816 3.0 TP8817 3.0 TP8818 3.1 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8820 1.5 TP8821 3.3								
TP8522 12.0 TP8523 5.1 TP8801 1.6 TP8802 1.6 TP8803 0 TP8804 1.6 TP8805 2.2 TP8806 1.6 TP8807 1.6 TP8809 1.8 TP8810 4.7 TP8811 1.4 TP8812 3.0 TP8813 3.1 TP8814 3.0 TP8815 3.0 TP8815 3.0 TP8816 3.0 TP8817 3.0 TP8818 3.1 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8819 3.0 TP8820 1.5 TP8821 3.3								
TP8523         5.1           TP8801         1.6           TP8802         1.6           TP8803         0           TP8804         1.6           TP8805         2.2           TP8807         1.6           TP8809         1.8           TP8810         4.7           TP8811         1.4           TP8812         3.0           TP8813         3.1           TP8814         3.0           TP8815         3.0           TP8816         3.0           TP8817         3.0           TP8818         3.1           TP8819         3.0           TP8820         1.5           TP8821         3.3			1					
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TP8807 1.6 TP8809 1.8 TP8810 4.7 TP8811 1.4 TP8812 3.0 TP8813 3.1 TP8814 3.0 TP8815 3.0 TP8816 3.0 TP8817 3.0 TP8818 3.1 TP8819 3.0 TP8819 3.0 TP8820 1.5 TP8821 3.3			1					
TP8809 1.8 TP8810 4.7 TP8811 1.4 TP8812 3.0 TP8813 3.1 TP8814 3.0 TP8815 3.0 TP8816 3.0 TP8817 3.0 TP8818 3.1 TP8819 3.0 TP8820 1.5 TP8821 3.3								
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TP8817 3.0 TP8818 3.1 TP8819 3.0 TP8820 1.5 TP8821 3.3			1					
TP8818 3.1 TP8819 3.0 TP8820 1.5 TP8821 3.3			1					
TP8819 3.0 TP8820 1.5 TP8821 3.3			1					
TP8820 1.5 TP8821 3.3			1					
TP8821 3.3			}					
			1					
170022 3.3			-					
	128822	3.3	J			l		

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

VOLTAGE CHART PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

# 9 CIRCUIT BOARD LAYOUT

#### 9.1. MAIN C.B.A.

# MAIN C.B.A. LSEP2217B(A,B,C) / LSEP2217A (D,E,F) HOT CIRCUIT. BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING. COLD shown in Fig. 2.

# COMPARISON CHART OF MODELS & MARKS

OF WIODELS & WARKS						
MODEL	MARK					
PV-DF2035	Α					
PV-DF2035-K	В					
PV-DF205	С					
PV-DF2735	D					
PV-DF2735-K	Е					
PV-DF275	F					

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES. REFER TO BEGINNING OF SCHEMATIC SECTION.

CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS. FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING, PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

#### \*1 Note

There are 2 types of EEPROM IC (IC6004) used on the Main C.B.A. (DIP TYPE and SOP TYPE) However, these are same reliability





Be sure to install DIP type IC from the component side as shown in Fig. 1. Be sure to intall SOP type IC from the foil side as

IMPORTANT SAFETY NOTICE: COMPONENTS IDENTIFIED BY THE SIGN A HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE 6.3A 125V/250V FUSE. ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D' INCENDIE N' UTILISI
TYPE 6.3A 125V/250V D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME

MAIN C.B.A. LSEP2217B/LSEP2217A PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

#### 9.2. OPERATION C.B.A.

### **OPERATION C.B.A. LSEP2219A**

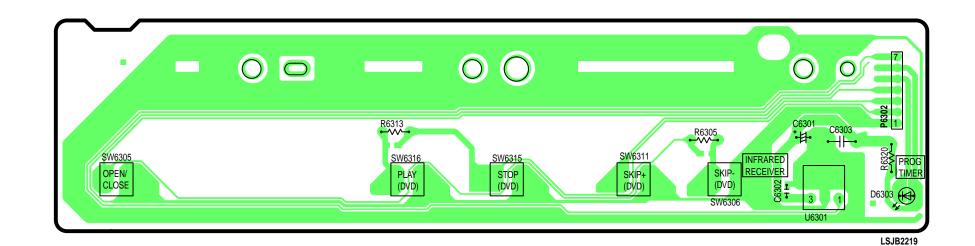
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE: CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

## COMPARISON CHART

OF MODELS & MARKS						
MODEL	MARK					
PV-DF2035	Α					
PV-DF2035-K	В					
PV-DF205	С					
PV-DF2735	D					
PV-DF2735-K	Е					
PV-DF275	F					

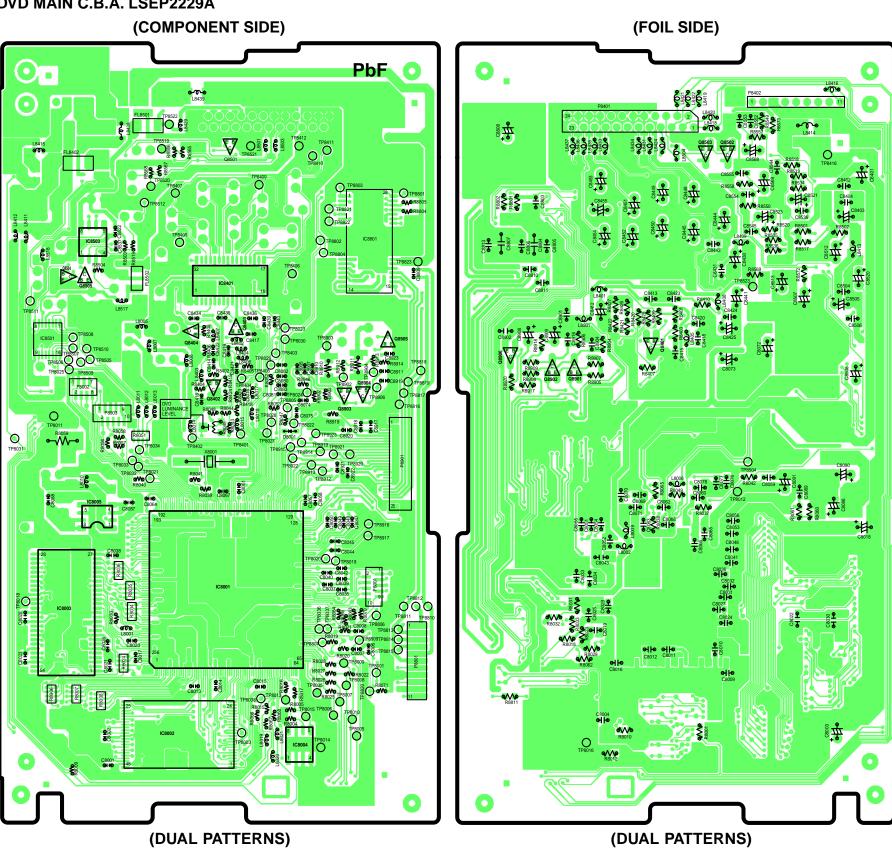


# 9.3. DEFLECTION / CRT C.B.A.

 $ERROR: P:\saijo\2005sgml\04\_dvd\_combo\PV-DF2735\cb3\_def.pdf$ 

#### 9.4. DVD MAIN / DVD SUB C.B.A.

# **DVD MAIN C.B.A. LSEP2229A**

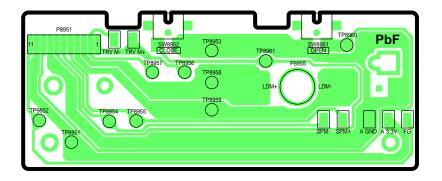


FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

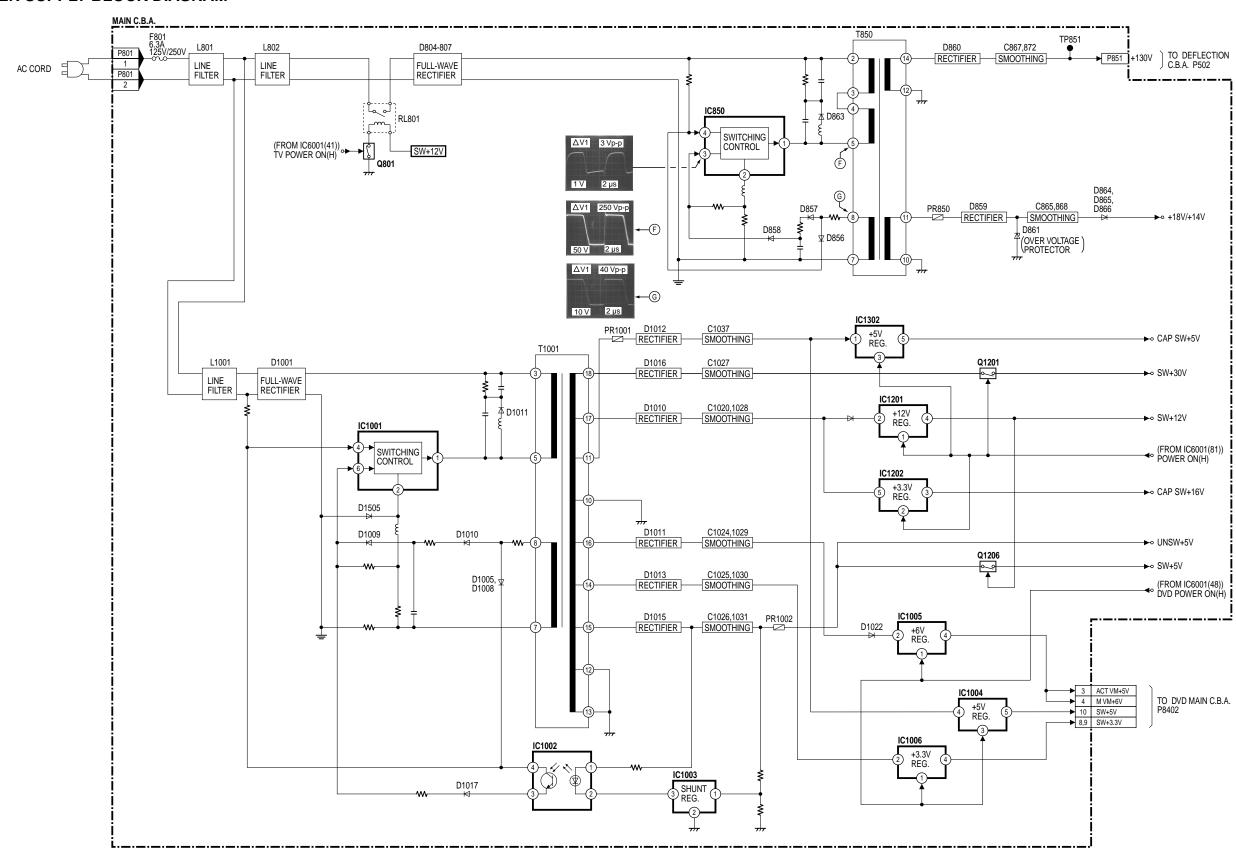
#### **DVD SUB C.B.A. LSEP2187A**



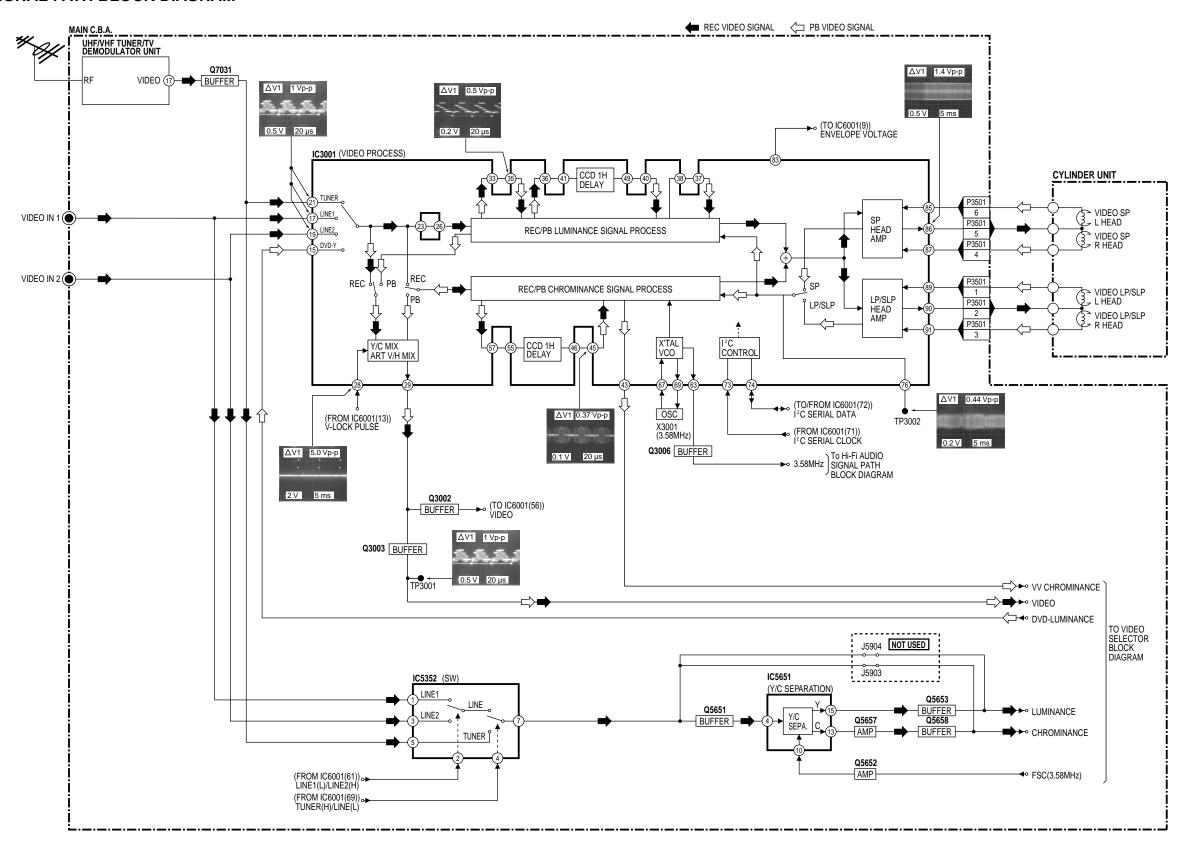
**DVD MAIN C.B.A. LSEP2229A DVD SUB C.B.A. LSEP2187A** PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

# 10 BLOCK DIAGRAMS

#### POWER SUPPLY BLOCK DIAGRAM

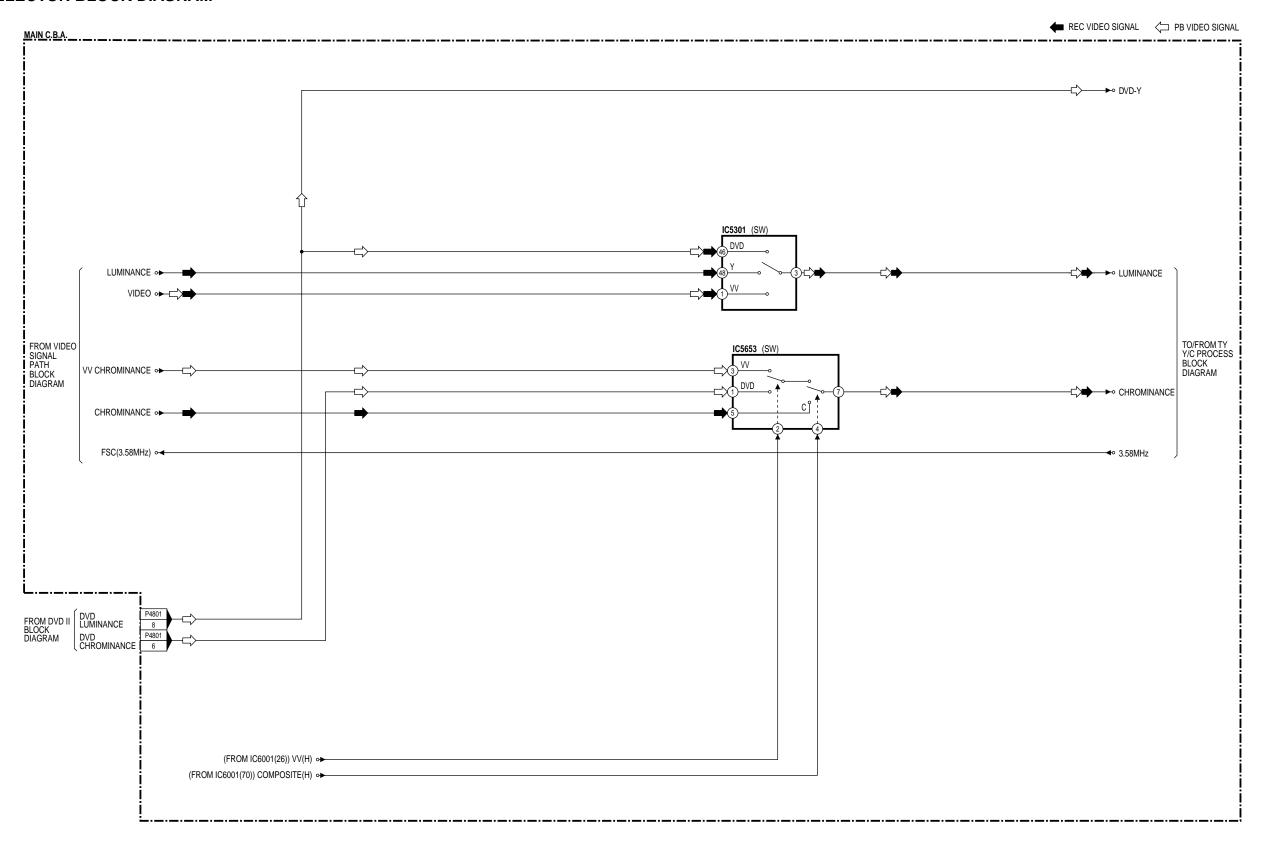


#### **VIDEO SIGNAL PATH BLOCK DIAGRAM**

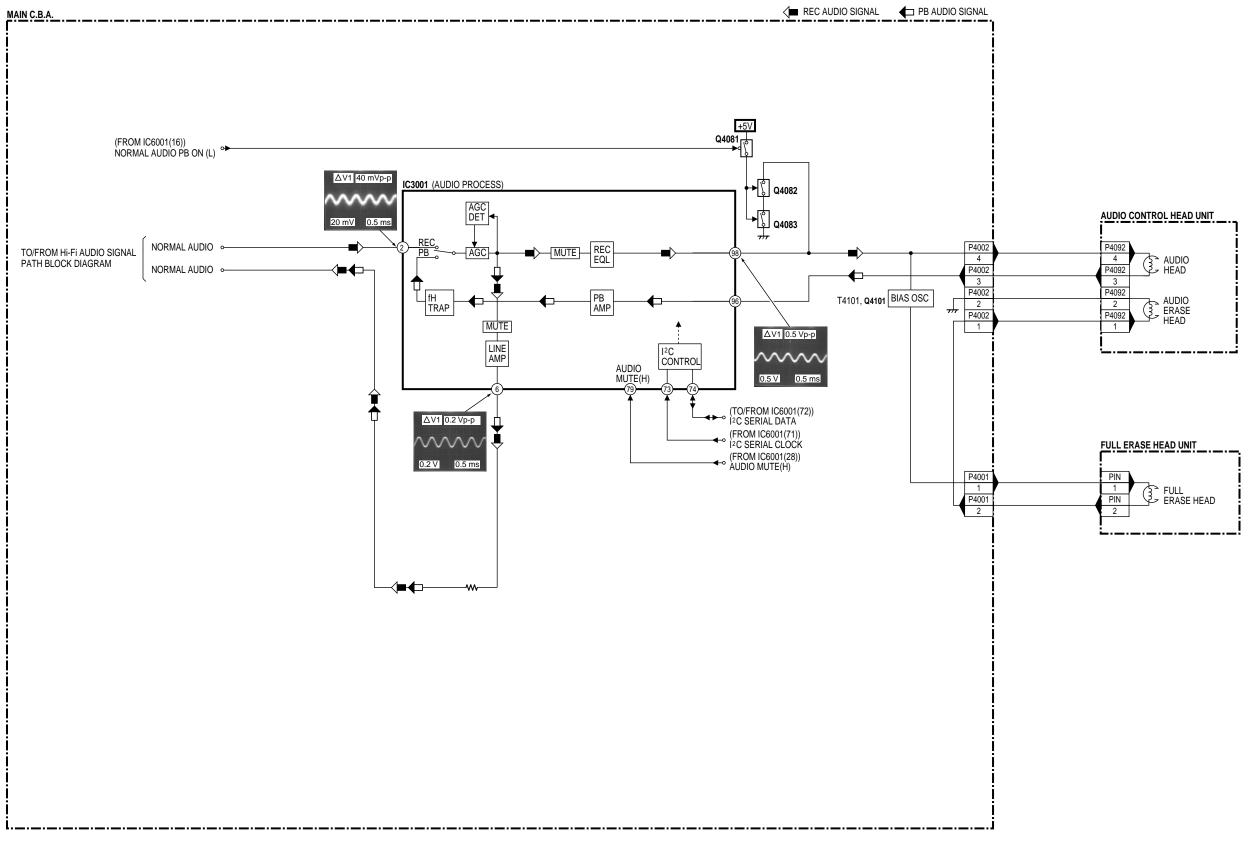


VIDEO SIGNAL PATH BLOCK DIAGRAM PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

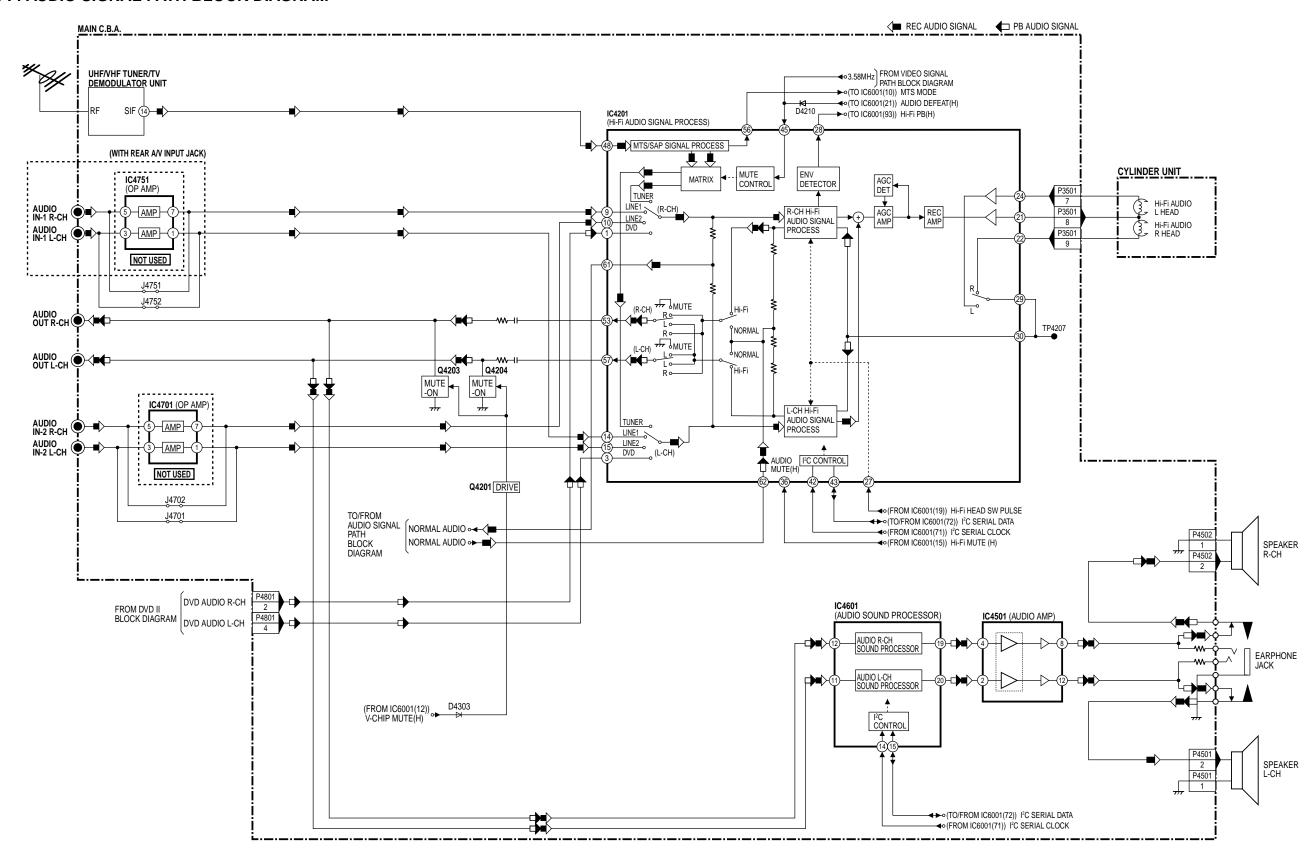
### **VIDEO SELECTOR BLOCK DIAGRAM**



### **AUDIO SIGNAL PATH BLOCK DIAGRAM**

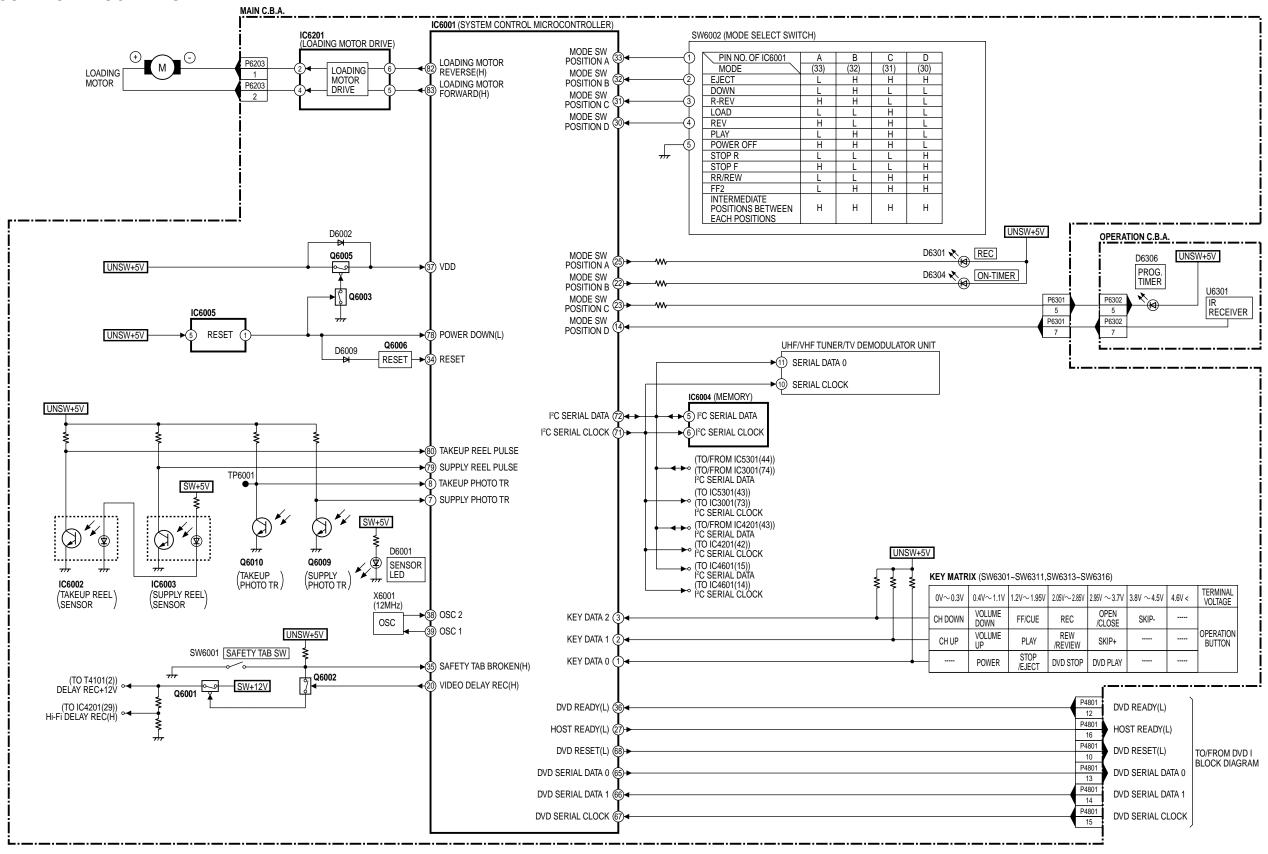


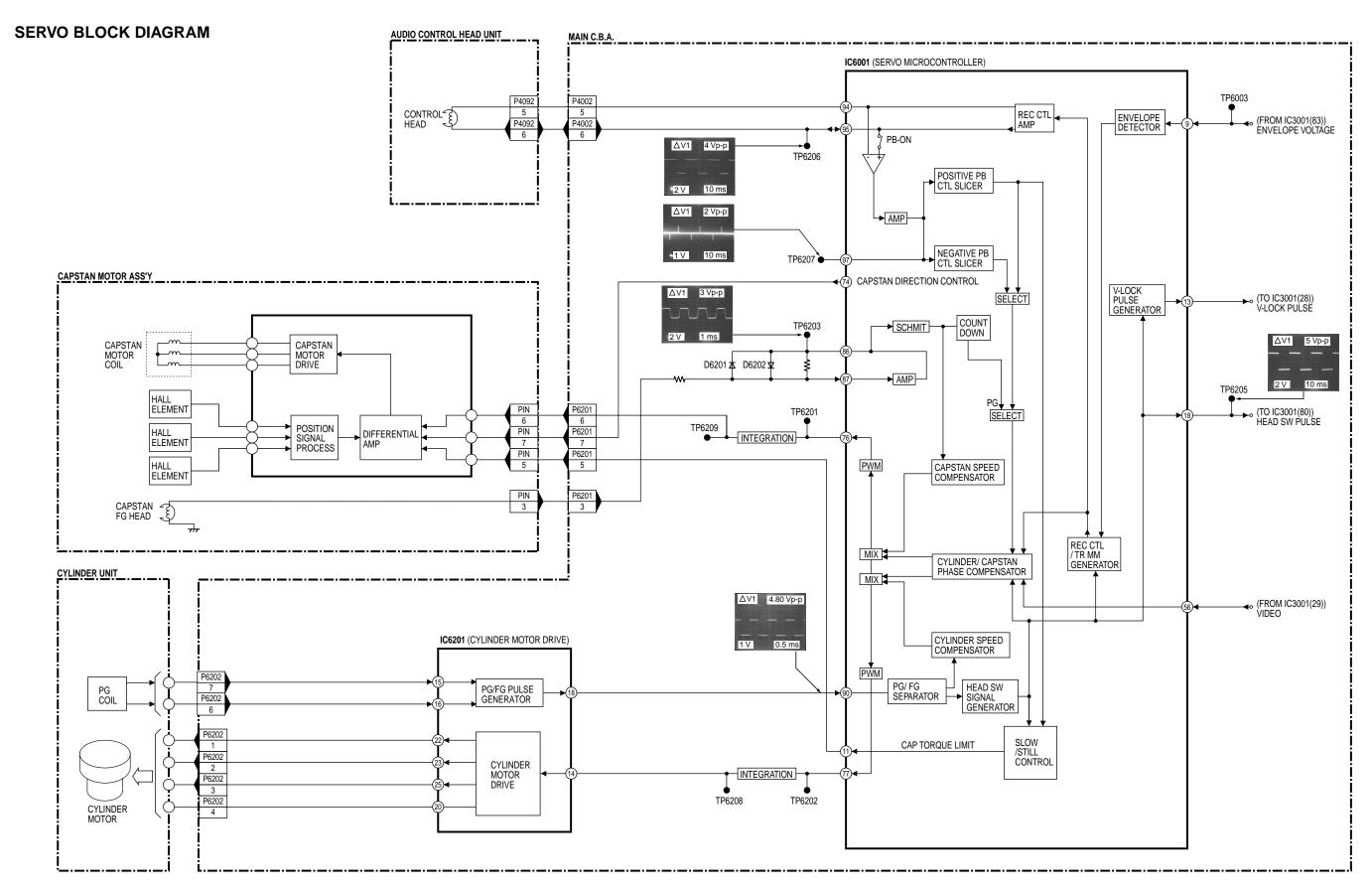
#### Hi-Fi AUDIO SIGNAL PATH BLOCK DIAGRAM



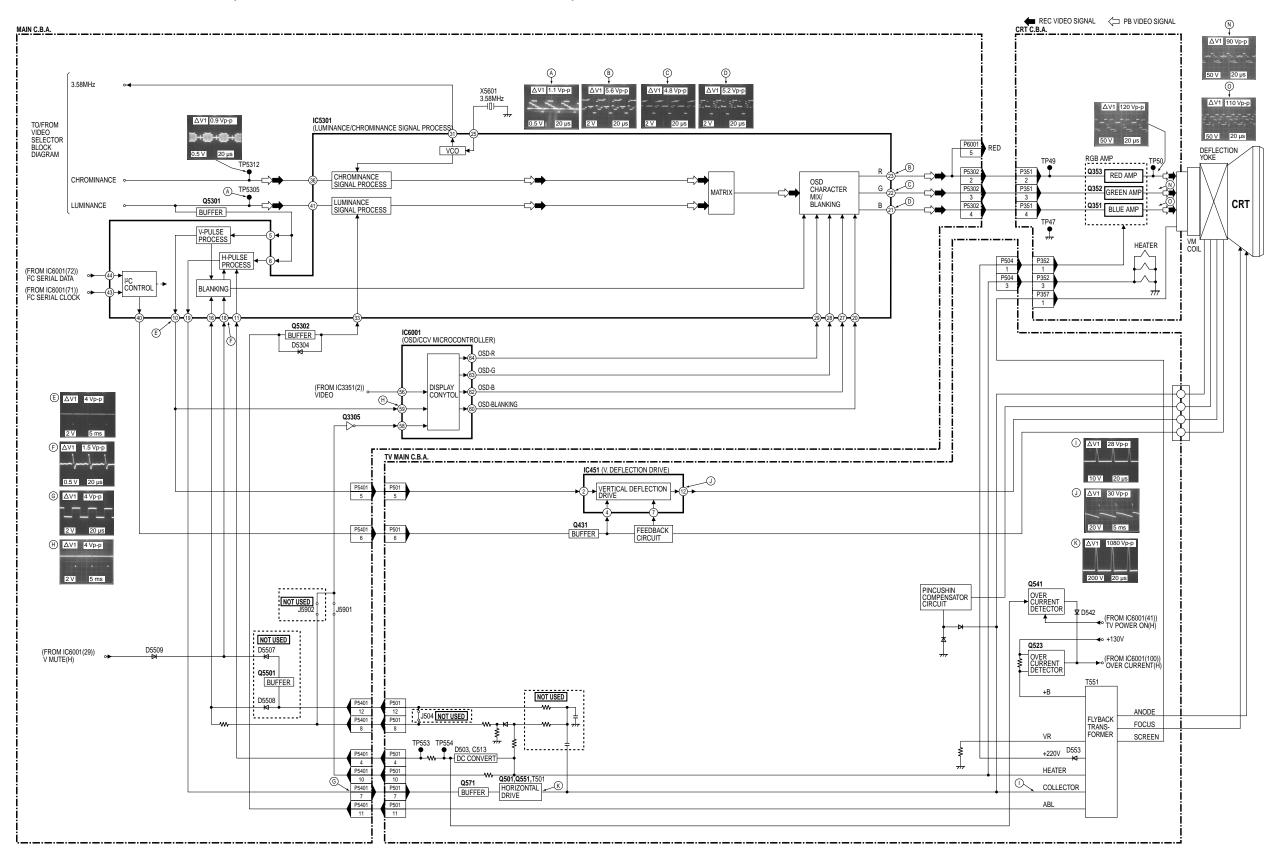
Hi-Fi AUDIO SIGNAL PATH BLOCK DIAGRAM PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

#### SYSTEM CONTROL BLOCK DIAGRAM



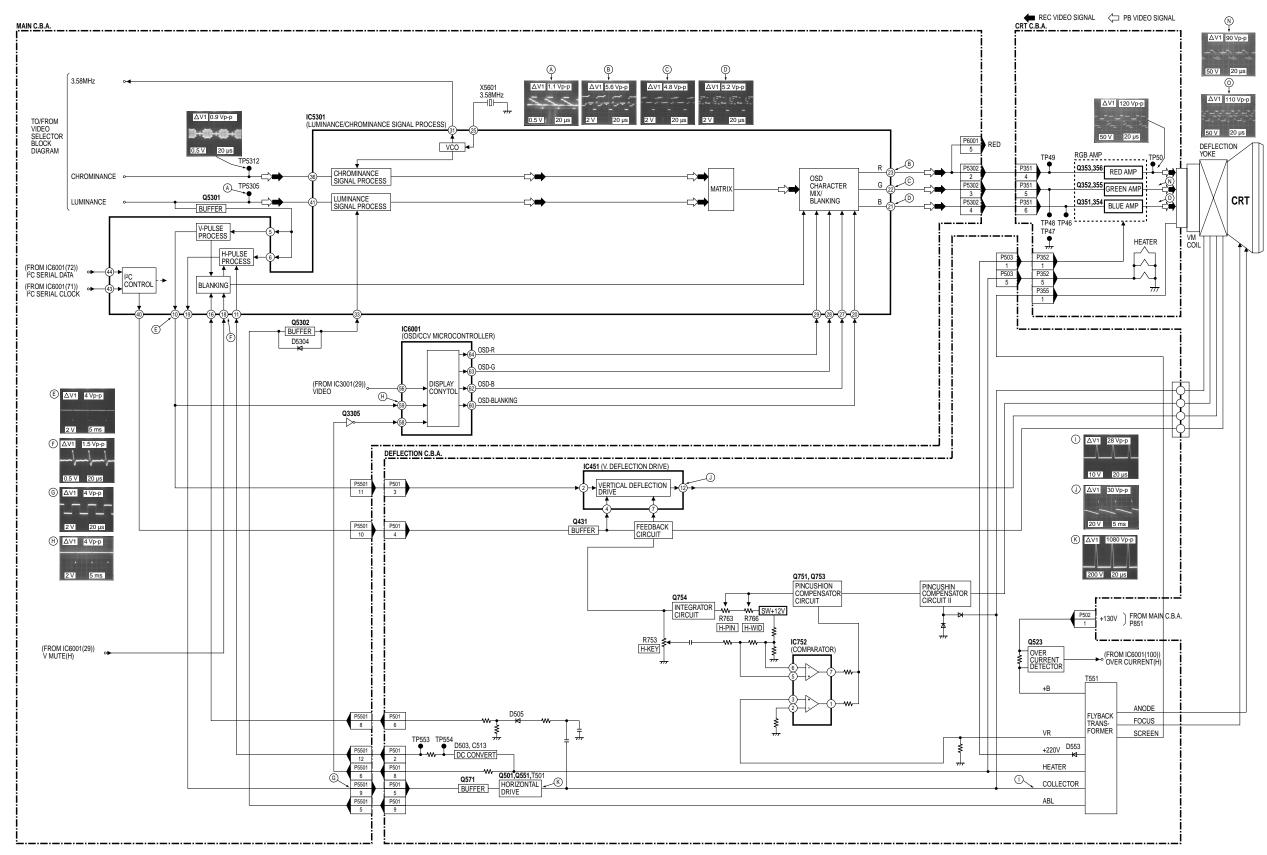


### TV Y/C PROCESS BLOCK DIAGRAM (Models: PV-DF2035/PV-DF2035-K/PV-DF205)



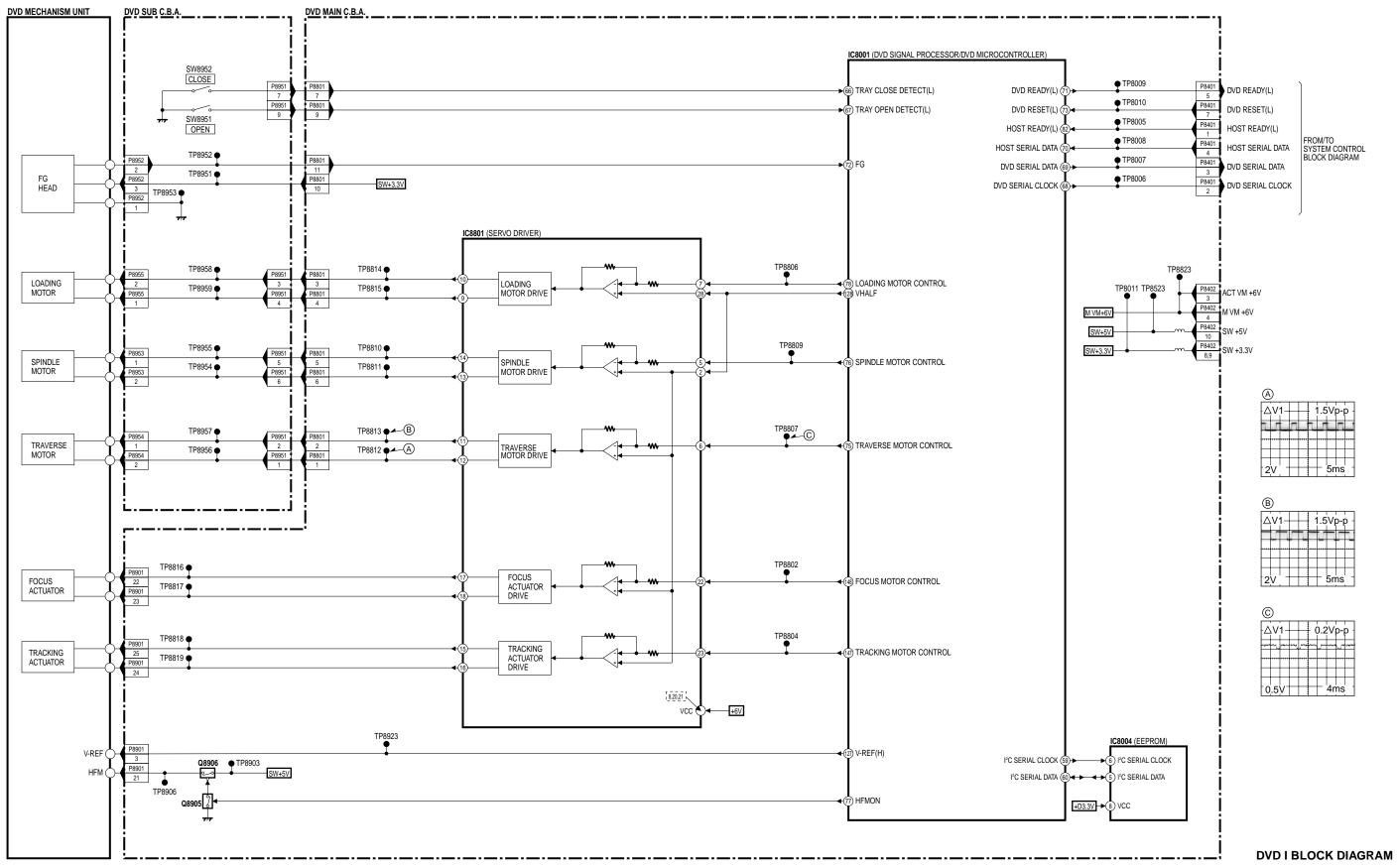
TV Y/C PROCESS BLOCK DIAGRAM PV-DF2035/PV-DF2035-K/PV-DF205

## TV Y/C PROCESS BLOCK DIAGRAM (Models: PV-DF2735/PV-DF2735-K/PV-DF275)

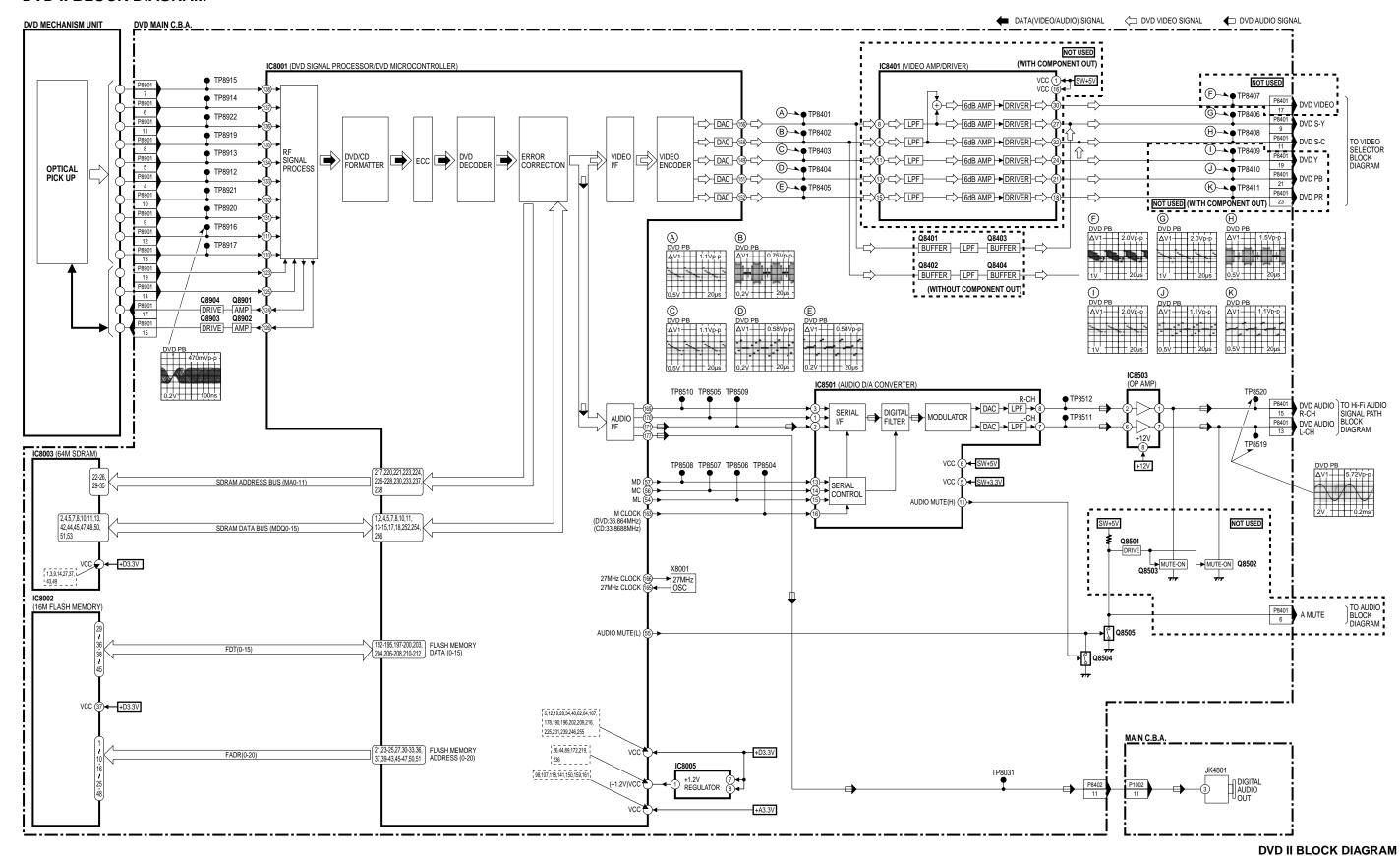


TV Y/C PROCESS BLOCK DIAGRAM PV-DF2735/PV-DF2735-K/PV-DF275

#### **DVD I BLOCK DIAGRAM**



#### **DVD II BLOCK DIAGRAM**



## **Troubleshooting Hints**

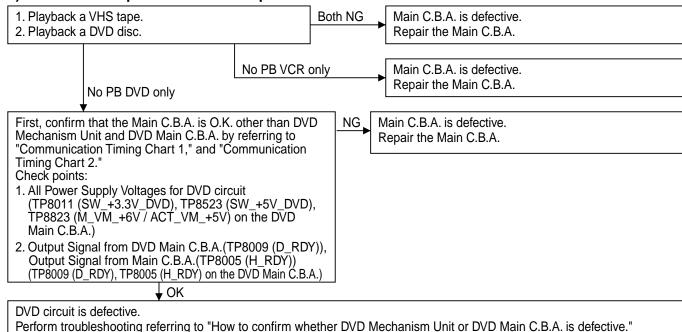
How to confirm whether DVD circuit or other circuits is defective.

#### NOTE:

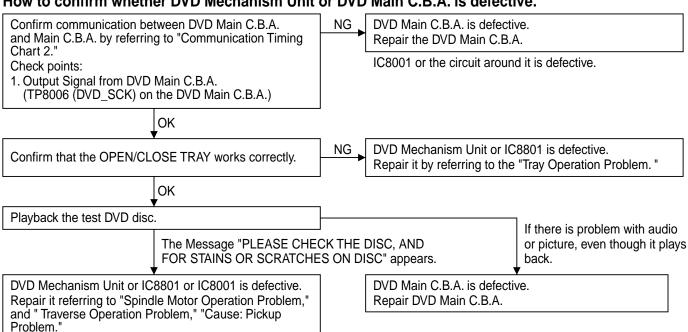
Host communication may not occur correctly between IC6001 on the Main C.B.A. and IC8001 on the DVD Main C.B.A. when there is a problem on the DVD Main C.B.A.

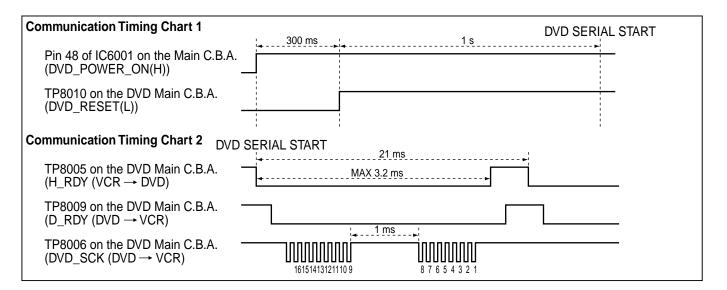
(Serial Data Communication failure between IC6001 and IC8001 within 30sec. IC6001 will switch automatically to VCR.) (Check the VCR mode indicator and DVD mode indicator on the Front Light-up Indicators.) Check the voltage during the 30 seconds during which the unit remains in DVD mode.

#### 1) Confirm DVD operation and VCR operation

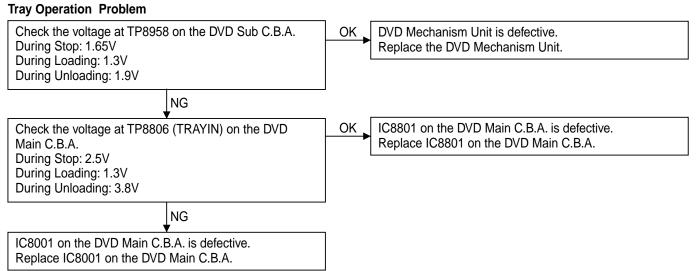


#### How to confirm whether DVD Mechanism Unit or DVD Main C.B.A. is defective.





## **Troubleshooting Hints of DVD Mechanism Unit**



TROUBLESHOOTING HINTS PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

#### **Spindle Motor Operation Problem**

Note: Check the signal at TP8809 as soon as disc has been inserted. Otherwise, following waveform can not be monitored.

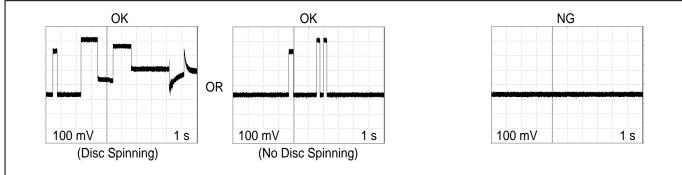
Check the signal at TP8809 (SPIN) on the DVD Main C.B.A. is defective. Replace IC8001 on the DVD Main C.B.A.

Replace IC8801 on the DVD Main C.B.A.

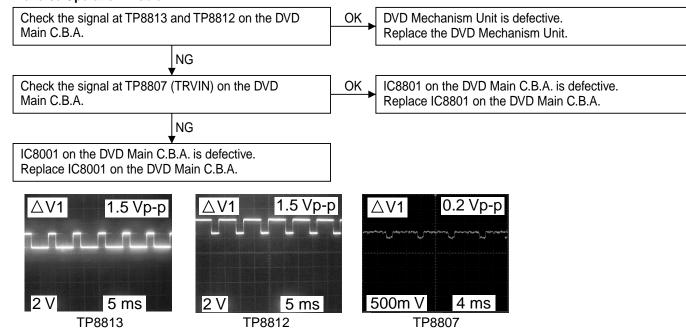
Still NG

DVD Mechanism Unit is defective. Replace the DVD Mechanism Unit.

Signal at TP8809

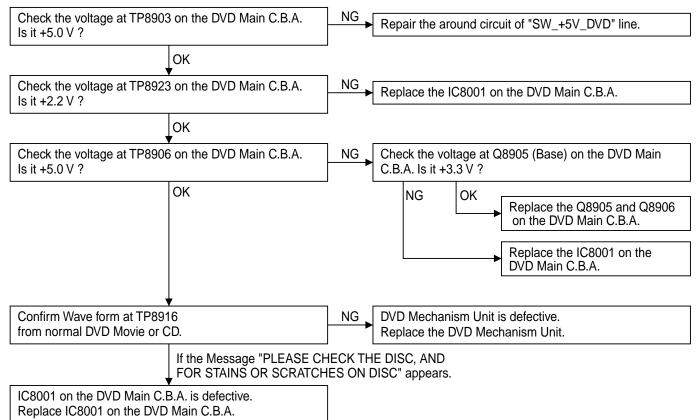


#### **Traverse Operation Problem**

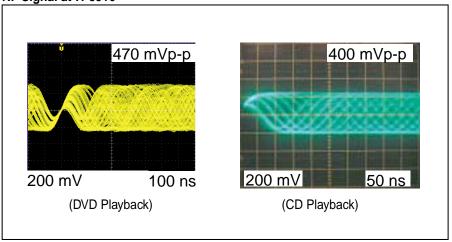


#### **Pickup Operation Problem**

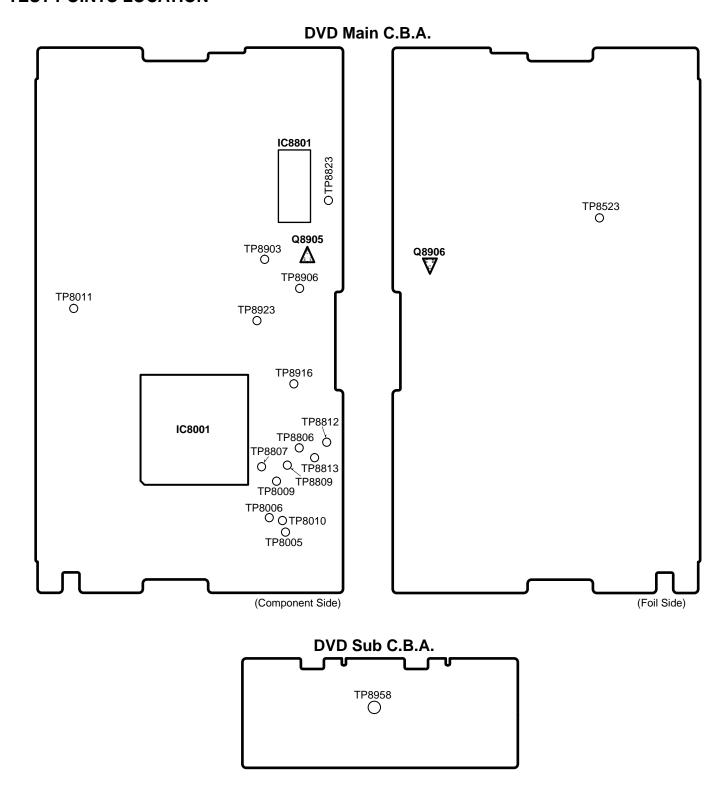
Note: Check the voltage during 10 to 20 seconds as soon as disc has been inserted.



#### RF Signal at TP8916



# **TEST POINTS LOCATION**



#### **Test Point Information**

- Test Point with a Test Pin.
- O Test Point with no Test Pin.

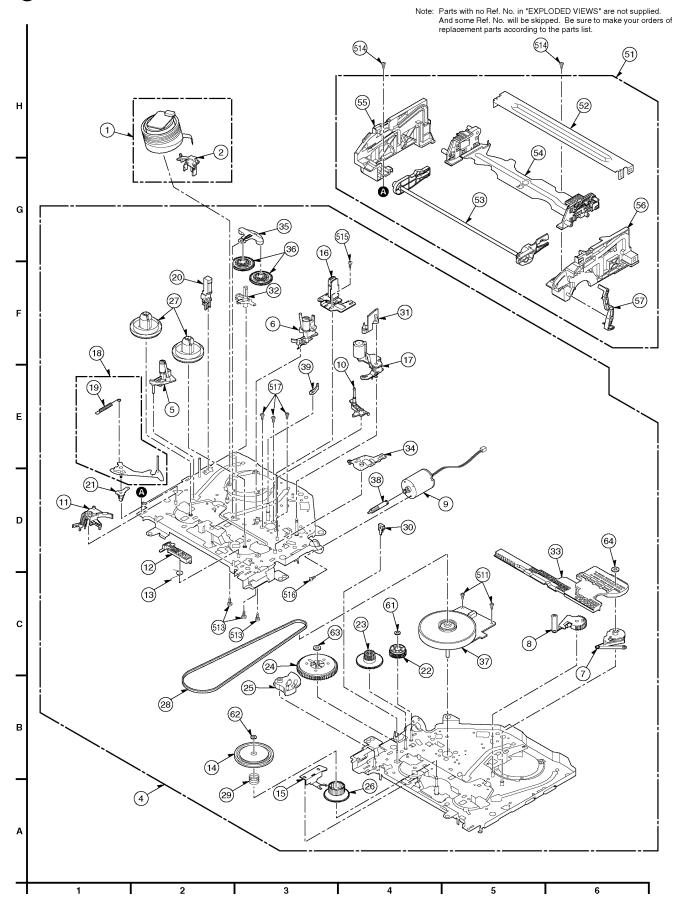
PV-DF2035/PV-DF2035-K/PV-DF205/PV-DF2735/PV-DF2735-K/PV-DF275

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# 11 EXPLODED VIEWS

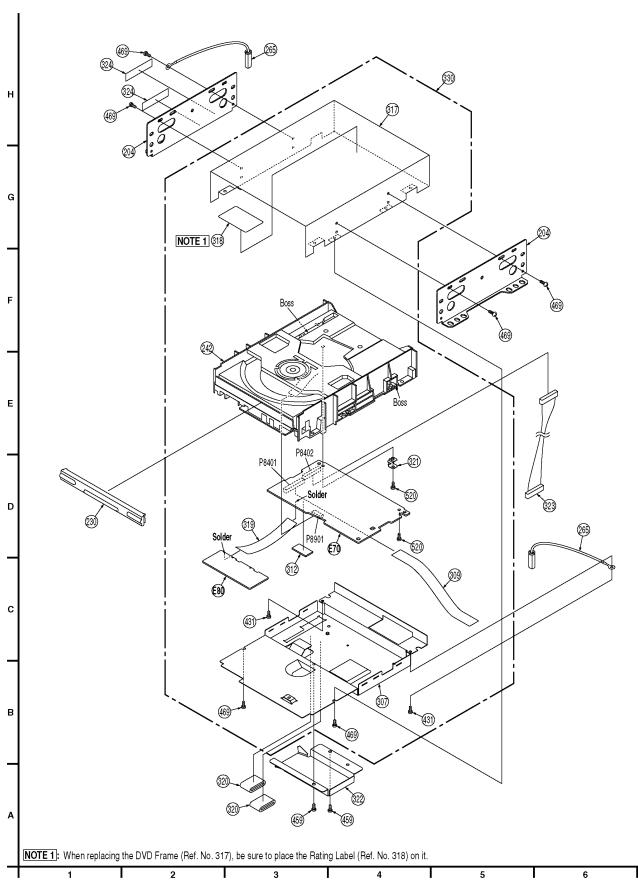
# 11.1. MECHANISM SECTION

# **1** MECHANISM SECTION

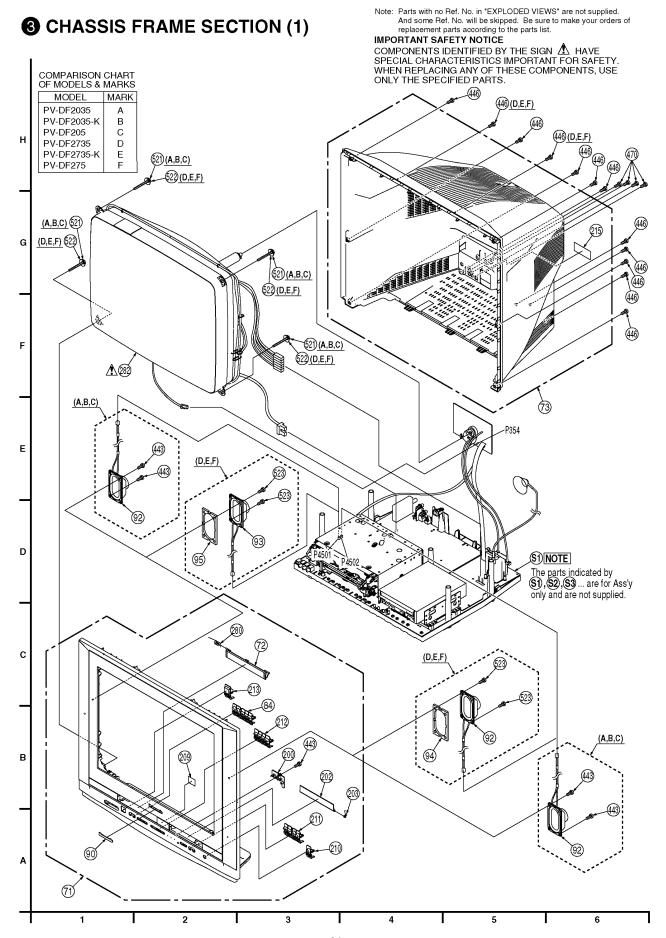


## 11.2. DVD SECTION

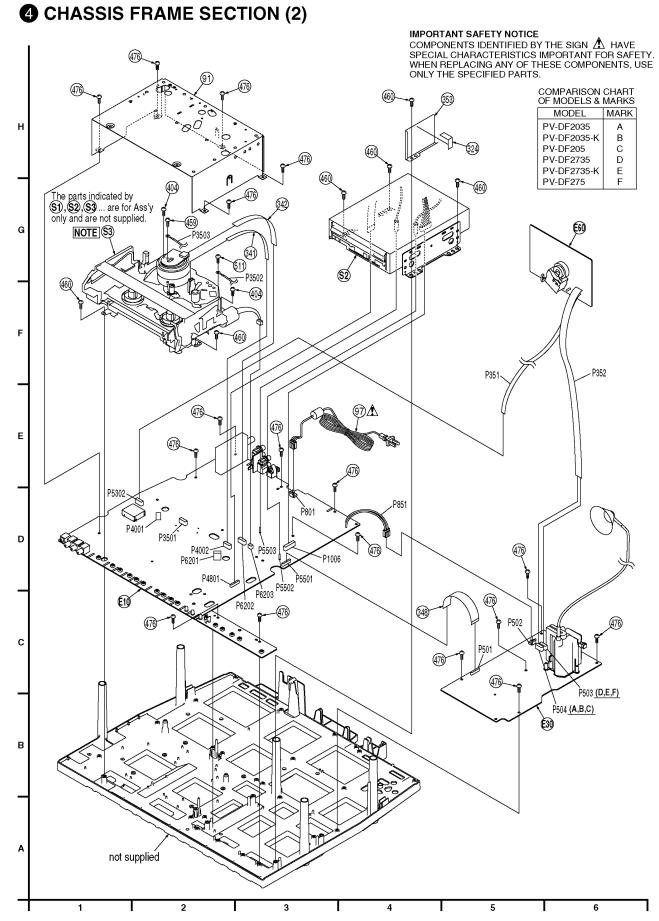
# **2** DVD SECTION



# 11.3. CHASSIS FRAME SECTION (1)



# 11.4. CHASSIS FRAME SECTION (2)

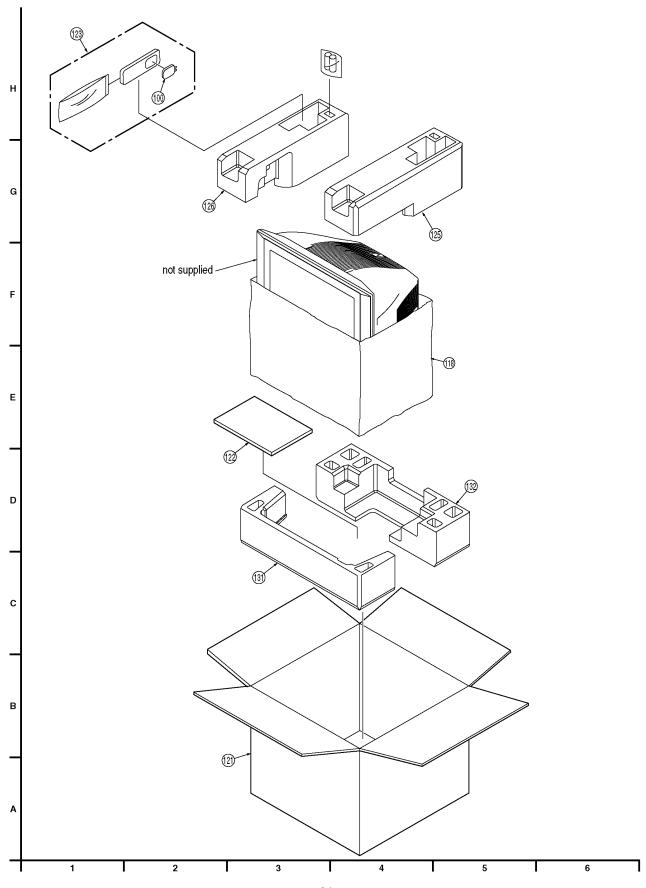


# 11.5. CHASSIS FRAME SECTION (3)

# IMPORTANT SAFETY NOTICE COMPONENTS IDENTIFIED BY THE SIGN A HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS. **5** CHASSIS FRAME SECTION (3) COMPARISON CHART OF MODELS & MARKS MODEL PV-DF2035 PV-DF2035-K В PV-DF205 С PV-DF2735 D Н PV-DF2735-K Е PV-DF275 (743) G **1**C850 F Ε D -T551<u>/</u>₹ (D,E,F) В **470**

# 11.6. PACKING PARTS AND ACCESORIES SECTION

# **6** PACKING PARTS AND ACCESORIES SECTION



# 12 REPLACEMENT PARTS LISTS

BEFORE REPLACING PARTS, READ THE FOLLOWING:

### 12.1. REPLACEMENT NOTES

#### 12.1.1. General Notes

1. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list.

#### 2. IMPORTANT SAFETY NOTICE

Components identified by the sign  $\triangle$  have special characteristics important for safety. When replacing any of these components, use only the specified parts.

3. SPECIAL NOTE

All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.

- 4. Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
- Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.
- 6. Definition of Parts supplier:
  - a. Parts with mark "MKE" in the Remarks column are supplied from MKE.
  - b. Parts with mark "MKI" in the Remarks column are supplied from MKI.
  - c. Parts with mark "SPC" in the Remarks column are supplied from Spare Parts Center of Panasonic AVC Company.
  - d. Parts without mark in the Remarks column are supplied from MKA.
- 7. Item numbers with capital letter E (Example: E10, E20,...) in the Ref. No. column are shown in the exploded views.
- 8. Parts whose Ref. Nos. are the same are interchangeable as replacement parts. Any of these parts may be ordered and used as a replacement part.

## 12.1.2. Mechanical Replacement Notes

- Section No. of parts shown in Exploded Views are indicated in the Remarks column.
- The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 1), and the Cassette Up Ass'y (Ref. No. 51) and Cleaner Arm Unit (Ref. No.3).

After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in Service Manual for R4-Mechanism - Chassis - for - PV-Model (Order No. MKE0401000C1).

 The Infrared Remote Control Unit (Ref. No. 123) replacement part is available as a complete assembly unit only. Do not try to disassemble the Infrared Remote Control Unit. However, the battery cover is available separately as a replacement part.

- 4. When replacing the DVD Frame (Ref. No. 317), be sure to place the Rating Label (Ref. No. 318) on it.
- 5. When replacing the DVD Mechanism Unit (Ref. No. 242) or the DVD Frame (Ref. No. 317), be sure to place the Cabinet Label (Ref. No. 253) on it.

## 12.1.3. Electrical Replacement Notes

1. Unless otherwise specified;

All resistors are in  $\Omega$ , K = 1,000  $\Omega$ , M = 1,000 k $\Omega$ .

2. Abbreviation

RTL: Retention Time Limited

This indicates that the retention time is

limited for this item. After the discontinuation of this item in production, it will no longer be

available.

NR: Non Repairable Board Ass'y

MGF CHIP: Metal Glaze Film Chip

C CHIP: Ceramic Chip

COMPLX CMP: Complex Component
W FLMPRF: Wirewound Flameproof
C.B.A.: Circuit Board Assembly
P.C.B.: Printed Circuit Board

E.S.D.: Electrostatically Sensitive Devices

- 3. When replacing 0  $\Omega$  resistor, a wire can be substituted for  $_{\rm it}$
- 4. Since the UHF/VHF TUNER/TV DEMODULATOR UNIT (Ref. No. 743) has already been pre-adjusted at the factory, do not try to adjust the UHF/VHF TUNER/TV DEMODULATOR UNIT. The UHF/VHF TUNER/TV DEMODULATOR UNIT replacement part is available as a complete assembly unit only.
- 5. EEP ROM IC (IC6004) replacement note:

There are 2 types of EEPROM IC (IC6004) used on the Main C.B.A. (DIP TYPE and SOP TYPE). However, these are same reliability, please refer to "MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

#### **COMPARISON CHART OF MODELS & MARKS**

MODEL	MARK
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	E
PV-DF275	F

# 12.2. MECHANICAL REPLACEMENT PARTS LIST

#### **COMPARISON CHART OF MODELS & MARKS**

MODEL	MARK
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	Е
PV-DF275	F

#### **Definition of Parts supplier:**

- 1. Parts with mark "MKE" in the Remarks column are supplied from MKE.
- 2. Parts with mark "MKI" in the Remarks column are supplied from MKI.
- 3. Parts with mark "SPC" in the Remarks column are supplied from Spare Parts Center of Panasonic AVC Company.
- 4. Parts without mark in the Remarks column are supplied from MKA.

MECHANICAL REPLACEMENT PARTS

Ref.	Part No.	Part Name & Description Remai		
1	LSVD0010	CYLINDER KIT	1	
2	VMD4983	FPC HOLDER	1	
4	LSXY0543	MECHANICAL CHASSIS SUB ASS'Y	1 RTL	
5	VXA7105	SUPPLY SHAFT HOLDER UNIT	1	
6	VXA7106	TAKE UP SHAFT HOLDER UNIT	1	
7	VXL3107	SUPPLY LOADING ARM UNIT	1	
8	VXL3108	TAKE UP LOADING ARM UNIT	1	
9	VEM0796	LOADING MOTOR UNIT	1	
10	VXL3110	P5 ARM UNIT	1	
11	VXL3252	SUPPLY BRAKE ARM UNIT	1	
12	VXL3121	TAKE UP BRAKE ARM UNIT	1	
13	VMB3548	TAKE UP BRAKE SPRING	1	
14	VXP2133	CENTER CLUTH UNIT	1	
15	VXL3124	CHANGING LEVER UNIT	1	
16	LSEH0012	AC HEAD UNIT	1	
17	VXL3109	PINCH ARM UNIT	1	
18	VXL3111	TENSION ARM UNIT	1	
19	VMB3547	TENSION SPRING	1	
20	L1AG00000011	FE HEAD	1	
21	VDB1431	TENSION ARM BOSH	1	
22	VXP2168	TORQUE CLUTCH UNIT	1	
23	VDG1510	INTERMEDIATE GEAR	1	
24	VDG1511	MAIN CAM GEAR	1	
25	VXA7311	SECTOR GEAR UNIT	1	
26	VDG1514	CHANGE GEAR	1	
27	VDR0372	REEL TABLE	1	
28	VDV0391	CAPSTAN BELT	1	
29	VMB3550	CHANGING GEAR SPRING	1	
30	VMD4987	WORM BEARING	1	
31	VMD4252	OPENER PIECE	1	
32	VMD4253	LED PRISM	1	
33	VML3624	MAIN LEVER	1	
34	VML3626	PINCH CHARGE ARM	1	
35	VML3632	IDLER ARM	1	
36	VDG1512	IDLER GEAR	1	
37	VEM0800	CAPSTAN ASS'Y	1	
38	VDG1637	WORM GEAR	1	
39	VMX3377	P4 CAP	1	

SYNOS41   CASSETTE UP ASS'Y	Ref.	Part No.	Part Name & Description	Remarks
1		LSXY0541	CASSETTE UP ASS Y	1
54         VXA7110         CASSETTE HOLDER UNIT         1           55         VMD4255         SIDE PLATE L         1           56         VMD4985         SIDE PLATE R         1           57         LSML0367         OPENBE LEVER 2         1           61         VMX208         CUT WASHER, STEEL         1           62         VXX3196         CUT WASHER, STEEL         1           63         VXX2699         CUT WASHER, STEEL         1           71         LSYV0240         FRONT CABINET ASS'Y (A,B)         3           71         LSYV0234         FRONT CABINET ASS'Y (D,B)         3           71         LSYV0234         FRONT CABINET ASS'Y (D,B)         3           72         LSY0236         CASSETTE DOOR-LID UNIT (C,F)         3           73         LSY0227         FRONT CABINET ASS'Y (D,B)         3           73         LSY02280         CASSETTE DOOR-LID UNIT (C,F)         3           73         LSY0227         REAR COVER UNIT (D,F)         3           73         LSY0227         REAR COVER UNIT (D,F)         3           74         LSY0227         REAR COVER UNIT (D,F)         3           75         LSY0227         REAR COVER UNIT (C,F)	52	VMA0L25	TOP PLATE	1
STEP   SIDE PLATE L   1   1   1   1   1   1   1   1   1	53	VXL3160	MAIN SHAFT UNIT	1
Section   Side Plate R   1   1   1   1   1   1   1   1   1	54	VXA7110	CASSETTE HOLDER UNIT	1
SML0367   OPENER LEVER 2	55	VMD4255	SIDE PLATE L	1
SML0367   OPENER LEVER 2	56	VMD4985	SIDE PLATE R	1
62 VMX3196 CUT WASHER, STEEL 1 63 VMX2699 CUT WASHER, STEEL 1 64 VMX3475 SNAP WASHER 1 71 LSYY0240 FRONT CABINET ASS'Y ( A, B ) 3 71 LSYY0234 FRONT CABINET ASS'Y ( D, E ) 3 71 LSYY0234 FRONT CABINET ASS'Y ( D, E ) 3 71 LSYY0234 FRONT CABINET ASS'Y ( D, E ) 3 72 LSYY0236 CASSETTE DOOR-LID UNIT ( 3 A, B, D, E ) 73 LSYY0238 CASSETTE DOOR-LID UNIT ( C, F 3 ) 73 LSYY0242 REAR COVER UNIT ( D, F ) 3 73 LSYY0237 FEAR COVER UNIT ( D, F ) 3 74 LSYY0237 REAR COVER UNIT ( D, F ) 3 75 LSYY0237 REAR COVER UNIT ( D, F ) 3 75 LSYY0237 REAR COVER UNIT ( D, F ) 3 76 LSYY0237 REAR COVER UNIT ( D, F ) 3 77 LSYY0237 REAR COVER UNIT ( D, F ) 3 78 LSYY0237 REAR COVER UNIT ( D, F ) 3 79 LSYY0237 REAR COVER UNIT ( D, F ) 3 84 LSGU0655 2-3 BUTTON ( C, F ) 3 85 LSYY0237 REAR COVER UNIT ( D, F ) 3 86 LSGU0653 2-3 BUTTON ( C, F ) 3 87 LSYY0237 REAR COVER UNIT ( D, F ) 3 88 LSGU0653 2-3 BUTTON ( C, F ) 3 89 LSXX0674 TOP SHIELD PLATE ASS'Y ( 4 A, B, C ) 91 LSXA0673 TOP SHIELD PLATE ASS'Y ( 4 D, E, F ) 92 LSXY0821 SPEAKER UNIT ( D, E, F ) 3 93 LSXY0821 SPEAKER UNIT ( D, E, F ) 3 94 LSXY0821 SPEAKER UNIT ( D, E, F ) 3 95 LSXY0881 SPEAKER UNIT ( D, E, F ) 3 95 LSXY0881 SPEAKER UNIT ( D, E, F ) 3 96 TMM7464-1 CLAMPER 5 97 LSJA0536 AC CORD W/PLUG,120V 4 ♠ 118 LSP6054 BAG, POLYETHIENE ( D, E, F ) 6 118 LSP6054 BAG, POLYETHIENE ( D, E, F ) 6 121 LSP61930 PACKING CASE, PAPER ( C ) 6 121 LSP61930 PACKING CASE, PAPER ( C ) 6 122 LSQF0935 FAN BAG ( B, E ) 6 124 LSP0550 TOP CUSHION RIGHT, STYROFOAM ( 6 A, B, C ) 125 LSP0551 TOP CUSHION RIGHT, STYROFOAM ( 6 A, B, C ) 126 LSPN0553 TOP CUSHION RIGHT, STYROFOAM ( 6 A, B, C ) 127 LSPN0555 BOTTOM CUSHION REAR, STYROFOAM ( 6 A, B, C ) 128 LSPN0550 TOP CUSHION REAR, STYROFOAM ( 6 A, B, C ) 130 LSPN0552 BOTTOM CUSHION REAR, STYROFOAM ( 6 C, F ) 131 LSPN0552 BOTTOM CUSHION REAR, STYROFOAM ( 6 C, F, F ) 132 LSPN0552 BOTTOM CUSHION REAR, STYROFOAM ( 6 C, E, F ) 133 LSPN0552 BOTTOM CUSHION REAR, STYROFOAM ( C, F ) 134 LSPN0552 BOTTOM CUSHION REAR, STYROFOAM ( C, E, F ) 135 LSPN0550 DVD DISK DOOR-LID UNIT ( C, F ) 1	57		OPENER LEVER 2	1
63 VMX3699 CUT WASHER, STEEL 1 64 VMX3475 SNAP WASHER 1 71 LSYV0240 FRONT CABINET ASS'Y ( A, B ) 3 71 LSYV0240 FRONT CABINET ASS'Y ( D, C ) 3 71 LSYV0234 FRONT CABINET ASS'Y ( D, C ) 3 71 LSYV0234 FRONT CABINET ASS'Y ( C, C ) 3 72 LSYV0236 CASSETTE DOOR-LID UNIT ( C, F ) 73 LSYV0289 CASSETTE DOOR-LID UNIT ( C, F ) 73 LSYV0289 CASSETTE DOOR-LID UNIT ( C, F ) 73 LSYV0242 REAR COVER UNIT ( B, C ) 3 73 LSYV02430 REAR COVER UNIT ( D, F ) 3 73 LSYV0237 REAR COVER UNIT ( D, F ) 3 73 LSYV0237 REAR COVER UNIT ( E ) 3 84 LSYU0237 REAR COVER UNIT ( E ) 3 84 LSYU0239 CASSETTE DOOR-LID UNIT ( C, F ) 3 85 LSYU0237 REAR COVER UNIT ( E ) 3 86 LSYU0237 REAR COVER UNIT ( E ) 3 87 LSYV0238 LSYV0239 REAR COVER UNIT ( E ) 3 88 LSYU0237 REAR COVER UNIT ( E ) 3 89 TEM4G3013 BADGE, ABS RESIN 3 90 TEM4G3013 BADGE, ABS RESIN 3 91 LSXA0674 TOP SHIELD PLATE ASS'Y ( 4 A, B, C ) 92 LSXY0810 SPEAKER UNIT ( D, E, F ) 3 93 LSYV0881 SPEAKER UNIT ( D, E, F ) 3 94 LSYV0881 SPEAKER UNIT ( D, E, F ) 3 95 LSYV0881 SPEAKER UNIT ( D, E, F ) 3 95 LSYV0881 SPEAKER UNIT ( D, E, F ) 3 96 TMY464-1 CLAMPER 5 97 LSJA0536 AC CORD W/FLUG, 120V 4 Å 1 18 LPSP6055 BAG, POLYETHYLENE ( A, B, C ) 6 18 LPSP6055 BAG, POLYETHYLENE ( A, B, C ) 6 18 LPSP6405A BATTERY COVER 6 19 TMY7EC2406A BATTERY COVER 6 10 LSPG1937 PACKING CASE, PAPER ( C ) 6 12 LSPG1939 PACKING CASE, PAPER ( C ) 6 12 LSPG1939 PACKING CASE, PAPER ( C ) 6 12 LSPG1939 PACKING CASE, PAPER ( C ) 6 12 LSPG1939 PACKING CASE, PAPER ( C ) 6 12 LSPG1939 PACKING CASE, PAPER ( C ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1959 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955	61	VMX2208	CUT WASHER, STEEL	1
63 VMX3699 CUT WASHER, STEEL 1 64 VMX3475 SNAP WASHER 1 71 LSYV0240 FRONT CABINET ASS'Y ( A, B ) 3 71 LSYV0240 FRONT CABINET ASS'Y ( D, C ) 3 71 LSYV0234 FRONT CABINET ASS'Y ( D, C ) 3 71 LSYV0234 FRONT CABINET ASS'Y ( C, C ) 3 72 LSYV0236 CASSETTE DOOR-LID UNIT ( C, F ) 73 LSYV0289 CASSETTE DOOR-LID UNIT ( C, F ) 73 LSYV0289 CASSETTE DOOR-LID UNIT ( C, F ) 73 LSYV0242 REAR COVER UNIT ( B, C ) 3 73 LSYV02430 REAR COVER UNIT ( D, F ) 3 73 LSYV0237 REAR COVER UNIT ( D, F ) 3 73 LSYV0237 REAR COVER UNIT ( E ) 3 84 LSYU0237 REAR COVER UNIT ( E ) 3 84 LSYU0239 CASSETTE DOOR-LID UNIT ( C, F ) 3 85 LSYU0237 REAR COVER UNIT ( E ) 3 86 LSYU0237 REAR COVER UNIT ( E ) 3 87 LSYV0238 LSYV0239 REAR COVER UNIT ( E ) 3 88 LSYU0237 REAR COVER UNIT ( E ) 3 89 TEM4G3013 BADGE, ABS RESIN 3 90 TEM4G3013 BADGE, ABS RESIN 3 91 LSXA0674 TOP SHIELD PLATE ASS'Y ( 4 A, B, C ) 92 LSXY0810 SPEAKER UNIT ( D, E, F ) 3 93 LSYV0881 SPEAKER UNIT ( D, E, F ) 3 94 LSYV0881 SPEAKER UNIT ( D, E, F ) 3 95 LSYV0881 SPEAKER UNIT ( D, E, F ) 3 95 LSYV0881 SPEAKER UNIT ( D, E, F ) 3 96 TMY464-1 CLAMPER 5 97 LSJA0536 AC CORD W/FLUG, 120V 4 Å 1 18 LPSP6055 BAG, POLYETHYLENE ( A, B, C ) 6 18 LPSP6055 BAG, POLYETHYLENE ( A, B, C ) 6 18 LPSP6405A BATTERY COVER 6 19 TMY7EC2406A BATTERY COVER 6 10 LSPG1937 PACKING CASE, PAPER ( C ) 6 12 LSPG1939 PACKING CASE, PAPER ( C ) 6 12 LSPG1939 PACKING CASE, PAPER ( C ) 6 12 LSPG1939 PACKING CASE, PAPER ( C ) 6 12 LSPG1939 PACKING CASE, PAPER ( C ) 6 12 LSPG1939 PACKING CASE, PAPER ( C ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1959 PAN BAG ( B, E ) 6 12 LSPG1955 PAN BAG ( B, E ) 6 12 LSPG1955	62	VMX3196	CUT WASHER, STEEL	1
1				1
1				1
1				
1	71			3
1				
A,B,D,E   SYP0236				
A,B,D,E				
LSYY0242 REAR COVER UNIT ( A,C ) 3   3   3   3   3   3   3   3   3   3	<i>′</i> –		_	
13	72	LSYY0289	CASSETTE DOOR-LID UNIT ( C,F	3
13			)	
1	73	LSYY0242	REAR COVER UNIT ( A,C )	3
1	73	LSYY0280	REAR COVER UNIT ( B )	3
84	73	LSYY0237	REAR COVER UNIT ( D,F )	3
### B4	73	LSYY0279	REAR COVER UNIT ( E )	3
90 TEM4G3013 BADGE,ABS RESIN 3 91 LSXA0674 TOP SHIELD PLATE ASS'Y (4 A,B,C) 91 LSXA0673 TOP SHIELD PLATE ASS'Y (4 D,E,F) 92 LSXY0821 SPEAKER UNIT (A,B,C) 3 92 LSXY0819 SPEAKER UNIT (D,E,F) 3 93 LSXY0881 SPEAKER UNIT (D,E,F) 3 94 LSMG0157 SPEAKER CUSHION L (D,E,F) 3 95 LSMG0158 SPEAKER CUSHION L (D,E,F) 3 96 TMM7464-1 CLAMPER 5 97 LSJA0536 AC CORD W/PLUG,120V 4 ⚠ 100 EUR77E2406A BATTERY COVER 6 118 LSP64005A BAG,POLYETHYLENE (A,B,C) 6 121 LSPG1930 PACKING CASE,PAPER (A,B) 6 121 LSPG1937 PACKING CASE,PAPER (D,E) 6 121 LSPG1977 PACKING CASE,PAPER (D,E) 6 122 LSQF0905 FAN BAG (A,D) 6 122 LSQF0939 FAN BAG (B,E) 6 123 EUR7724020R IMFRARED REMOTE CONTROL UNIT 6 (C,F) 1 125 LSPN0554 TOP CUSHION RIGHT,STYROFOAM (6 A,B,C) 126 LSPN0553 TOP CUSHION RIGHT,STYROFOAM (6 A,B,C) 127 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM (6 A,B,C) 131 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM (6 A,B,C) 132 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM (6 A,B,C) 133 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM (6 A,B,C) 134 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM (6 A,B,C) 135 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM (7 A,B,C) 136 LSPN0551 BOTTOM CUSHION REAR,STYROFOAM (7 A,B,C) 137 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM (7 A,B,C) 138 LSPN0554 BOTTOM CUSHION REAR,STYROFOAM (7 A,B,C) 139 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM (7 A,B,C) 130 LSPN0550 DOT DISK DOOR-LID UNIT (7 A,B,C) 151 TMM77408 CLAMPER 5 152 LSPN0550 DOT DISK DOOR-LID UNIT (7 A,B,C) 153 LSPN0550 DOT DISK DOOR-LID UNIT (7 A,B,C) 154 LSPN0550 DOT DISK DOOR-LID UNIT (7 A,B,C) 155 LSPN0550 DOT DISK DOOR-LID UNIT (7 A,B,C) 156 LSPN0550 DOT DISK DOOR-LID UNIT (7 A,B,C) 157 LSPN0550 DOT DISK DOOR-LID UNIT (7 A,B,C) 158 LSPN0550 DOT DISK DOOR-LID UNIT (7 C,F 3 A,B,C) 159 LSKF0629 DVD DISK DOOR-LID UNIT (7 C,F 3 A,B,C) 100 LSM00170 DVD CASSETTE DOOR SPRING 3	84	LSGU0655	2-3 BUTTON ( A,B,D,E )	3
90 TBM4G3013 BADGE,ABS RESIN  91 LSXA0674 TOP SHIELD PLATE ASS'Y ( 4 A,B,C)  91 LSXA0673 TOP SHIELD PLATE ASS'Y ( 4 D,E,F)  92 LSXY0821 SPEAKER UNIT ( A,B,C) 3  92 LSXY0819 SPEAKER UNIT ( D,E,F) 3  93 LSXY0881 SPEAKER UNIT ( D,E,F) 3  94 LSMG0157 SPEAKER CUSHION L ( D,E,F) 3  95 LSMG0158 SPEAKER CUSHION L ( D,E,F) 3  96 TMM7464-1 CLAMPER 5  97 LSJA0536 AC CORD W/PLUG,120V 4 ⚠  100 EUR77E2406A BATTERY COVER 6  118 LSP64005A BAG,POLYETHYLENE ( A,B,C) 6  121 LSPG1930 PACKING CASE,PAPER ( A,B) 6  121 LSPG1937 PACKING CASE,PAPER ( D,E) 6  121 LSPG1977 PACKING CASE,PAPER ( D,E) 6  122 LSQF0939 FAN BAG ( A,D) 6  122 LSQF0939 FAN BAG ( A,D) 6  123 EUR7724020R IMFRARED REMOTE CONTROL UNIT 6  123 EUR7724020R IMFRARED REMOTE CONTROL UNIT 6  124 LSPN0554 TOP CUSHION RIGHT,STYROFOAM ( 6 A,B,C) 6  125 LSPN0553 TOP CUSHION RIGHT,STYROFOAM ( 6 A,B,C) 7  126 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM ( 6 A,B,C) 7  131 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM ( 6 A,B,C) 7  132 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM ( 6 A,B,C) 7  133 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM ( 6 A,B,C) 7  134 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM ( 6 A,B,C) 7  135 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( 6 A,B,C) 7  136 LSPN0551 BOTTOM CUSHION REAR,STYROFOAM ( 7 A,B,C) 7  137 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( 7 A,B,C) 7  138 LSPN0554 BOTTOM CUSHION REAR,STYROFOAM ( 7 A,B,C) 8  139 LSPN0555 BOTTOM CUSHION REAR,STYROFOAM ( 7 A,B,C) 8  130 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( 7 A,B,C) 8  131 LSPN0551 BOTTOM CUSHION REAR,STYROFOAM ( 7 A,B,C) 9  132 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( 7 A,B,C) 9  133 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( 7 A,B,C) 9  140 LSGL0420 PANEL LIGHT 3  250 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 A,B,C) 9  261 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 A,B,C) 9  262 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 A,B,C) 9  263 LSMB0170 DVD CASSETTE DOOR SPRING 3	84	LSGU0683		3
1	90	TBM4G3013		3
1	91	LSXA0674	TOP SHIELD PLATE ASS'Y (	4
92 LSXY0821 SPEAKER UNIT ( A,B,C ) 3 92 LSXY0819 SPEAKER UNIT ( D,E,F ) 3 93 LSXY0881 SPEAKER UNIT ( D,E,F ) 3 94 LSMG0157 SPEAKER CUSHION L ( D,E,F ) 3 95 LSMG0158 SPEAKER CUSHION R ( D,E,F ) 3 96 TMM7464-1 CLAMPER 5 97 LSJA0536 AC CORD W/FLUG,120V 4 ⚠ 100 EUR77EC2406A BATTERY COVER 6 118 LPE64005A BAG,POLYETHYLENE ( A,B,C ) 6 118 LSPF0054 BAG,POLYETHYLENE ( D,E,F ) 6 121 LSPG1990 PACKING CASE,PAPER ( A,B ) 6 121 LSPG1997 PACKING CASE,PAPER ( C ) 6 121 LSPG1997 PACKING CASE,PAPER ( D,E ) 6 122 LSQF0905 FAN BAG ( A,D ) 6 122 LSQF0905 FAN BAG ( B,E ) 6 123 EUR7724020R INFRARED REMOTE CONTROL UNIT 6 ( C,F ) 123 EUR7724030R INFRARED REMOTE CONTROL UNIT 6 ( C,F ) 125 LSPN0554 TOP CUSHION RIGHT,STYROFOAM ( 6 A,B,C ) 126 LSPN0553 TOP CUSHION RIGHT,STYROFOAM ( 6 A,B,C ) 127 LSPN0555 BOTTOM CUSHION LEFT,STYROFOAM ( 6 A,B,C ) 131 LSPN0551 BOTTOM CUSHION CUSHION FRONT,STYROFOAM ( 6 C,F ) 132 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( 6 C,F ) 131 LSPN0551 BOTTOM CUSHION REAR,STYROFOAM ( 6 C,F ) 132 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( 6 C,F ) 133 LSPN0551 BOTTOM CUSHION REAR,STYROFOAM ( 6 C,F ) 134 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( 6 C,F ) 135 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( C,F,F ) 136 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C ) 137 LSPN0551 BOTTOM CUSHION REAR,STYROFOAM ( C,F,F ) 138 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( C,F,F ) 139 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C ) 130 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( C,F,F ) 131 LSPN0551 BOTTOM CUSHION REAR,STYROFOAM ( C,F,F ) 132 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( C,F,F ) 133 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( C,F,F ) 134 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( C,F,F ) 135 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( C,F,F ) 136 LSRF0605 DVD DISK DOOR-LID UNIT ( C,F 3 ) 137 LSRF0629 DVD DISK DOOR-LID UNIT ( C,F 3 ) 138 LSRF070 DVD CASSETTE DOOR SPRING 3	91	LSXA0673	TOP SHIELD PLATE ASS'Y (	4
92 LSXY0819 SPEAKER UNIT ( D,E,F ) 3 93 LSXY0881 SPEAKER UNIT ( D,E,F ) 3 94 LSMG0157 SPEAKER CUSHION L ( D,E,F ) 3 95 LSMG0158 SPEAKER CUSHION R ( D,E,F ) 3 96 TMM7464-1 CLAMPER 5 97 LSJA0536 AC CORD W/PLUG,120V 4 ⚠ 100 EUR77EC2406A BATTERY COVER 6 118 LPE64005A BAG, POLYETHYLENE ( A,B,C ) 6 118 LSPG0054 BAG, POLYETHYLENE ( D,E,F ) 6 121 LSPG1930 PACKING CASE, PAPER ( A,B ) 6 121 LSPG1977 PACKING CASE, PAPER ( A,B ) 6 121 LSPG1976 PACKING CASE, PAPER ( D,E ) 6 122 LSQF0939 FAN BAG ( A,D ) 6 122 LSQF0939 FAN BAG ( B,E ) 6 123 EUR7724020R INFRARED REMOTE CONTROL UNIT ( A,B,D,E ) 124 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( A,B,C ) 125 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( A,B,C ) 126 LSPN0553 TOP CUSHION LEFT, STYROFOAM ( A,B,C ) 127 LSPN0554 TOP CUSHION LEFT, STYROFOAM ( A,B,C ) 131 LSPN0555 BOTTOM CUSHION 6 132 LSPN0556 BOTTOM CUSHION 6 133 LSPN0556 BOTTOM CUSHION 6 134 LSPN0556 BOTTOM CUSHION 6 135 LSPN0556 BOTTOM CUSHION 6 136 LSPN0557 BOTTOM CUSHION 6 137 LSPN0556 BOTTOM CUSHION 6 138 LSPN0556 BOTTOM CUSHION 6 139 LSPN0557 BOTTOM CUSHION 6 130 LSPN0558 BOTTOM CUSHION 6 131 LSPN0559 BOTTOM CUSHION 6 132 LSPN0550 BOTTOM CUSHION 6 133 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 134 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( D,E,F ) 135 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( D,E,F ) 136 LSPN0557 BOTTOM CUSHION REAR, STYROFOAM ( D,E,F ) 137 LSPN0558 BOTTOM CUSHION REAR, STYROFOAM ( D,E,F ) 138 LSPN0559 BOTTOM CUSHION REAR, STYROFOAM ( D,E,F ) 139 LSPN0550 DVD DISK DOOR-LID UNIT ( 3 A,B,D,E ) 200 LSKF0605 DVD DISK DOOR-LID UNIT ( C,F 3 ) 201 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 ) 203 LSMB0170 DVD CASSETTE DOOR SPRING 3	92	LSXY0821		3
93 LSXY0881 SPEAKER UNIT ( D,E,F ) 3 94 LSMG0157 SPEAKER CUSHION L ( D,E,F ) 3 95 LSMG0158 SPEAKER CUSHION R ( D,E,F ) 3 96 TMM7464-1 CLAMPER 5 97 LSJA0536 AC CORD W/PLUG,120V 4 ⚠ 100 EUR77EC2406A BATTERY COVER 6 118 LPE64005A BAG,POLYETHYLENE ( A,B,C ) 6 118 LSPG0054 BAG,POLYETHYLENE ( D,E,F ) 6 121 LSPG1930 PACKING CASE,PAPER ( C ) 6 121 LSPG1937 PACKING CASE,PAPER ( C ) 6 121 LSPG19976 PACKING CASE,PAPER ( C ) 6 122 LSQF0995 FAN BAG ( A,D ) 6 122 LSQF0905 FAN BAG ( B,E ) 6 123 EUR7724020R INFRARED REMOTE CONTROL UNIT ( A,B,D,E ) 124 LSPG0939 PACKING CASE,PAPER ( D,E ) 6 125 LSPN0554 TOP CUSHION RIGHT,STYROFOAM ( 6 A,B,C ) 126 LSPN0553 TOP CUSHION LEFT,STYROFOAM ( 6 A,B,C ) 127 LSPN0555 BOTTOM CUSHION 6 128 LSPN0550 FOOTOM ( CUSHION 6 FRONT,STYROFOAM ( 6 A,B,C ) 131 LSPN0551 BOTTOM CUSHION 6 132 LSPN0550 BOTTOM CUSHION 6 133 LSPN0551 BOTTOM CUSHION 6 134 LSPN0555 BOTTOM CUSHION 6 135 LSPN0556 BOTTOM CUSHION 6 136 LSPN0557 BOTTOM CUSHION 6 137 LSPN0558 BOTTOM CUSHION 6 138 LSPN0559 BOTTOM CUSHION 6 139 LSPN0550 BOTTOM CUSHION 6 140 LSPN0550 BOTTOM CUSHION 6 151 TMM77408 CLAMPER 5 151 TMM77408 CLAMPER 5 152 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F ) 153 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F ) 154 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F ) 155 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F ) 156 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F ) 157 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F ) 158 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F ) 159 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F ) 150 LSPN0550 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F ) 151 TMM77408 CLAMPER 5 152 LSPN0550 DVD DISK DOOR-LID UNIT ( C,F ) 153 LSPN0550 DVD DISK DOOR-LID UNIT ( C,F ) 154 LSR0629 DVD DISK DOOR-LID UNIT ( C,F ) 155 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F ) 150 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F ) 150 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F )				
94 LSMG0157 SPEAKER CUSHION L ( D,E,F ) 3 95 LSMG0158 SPEAKER CUSHION R ( D,E,F ) 3 96 TMM7464-1 CLAMPER 5 97 LSJA0536 AC CORD W/PLUG,120V 4 △ 100 EUR77EC2406A BATTERY COVER 6 118 LPE64005A BAG, POLYETHYLENE ( A,B,C ) 6 118 LSPF0054 BAG, POLYETHYLENE ( D,E,F ) 6 121 LSPG1930 PACKING CASE, PAPER ( A,B ) 6 121 LSPG1977 PACKING CASE, PAPER ( C ) 6 121 LSPG1979 PACKING CASE, PAPER ( D,E ) 6 122 LSQF0905 FAN BAG ( A,D ) 6 122 LSQF0905 FAN BAG ( B,E ) 6 123 EUR7724020R INFRARED REMOTE CONTROL UNIT 6 124 LSPG1997 PACKING CASE, PAPER ( F ) 6 125 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( C,F) 126 LSPN0555 TOP CUSHION RIGHT, STYROFOAM ( E A,B,C,C) 127 LSPN0550 TOP CUSHION LEFT, STYROFOAM ( E A,B,C,C) 128 LSPN0551 BOTTOM CUSHION FRONT, STYROFOAM ( E A,B,C,C) 131 LSPN0555 BOTTOM CUSHION FRONT, STYROFOAM ( E A,B,C,C) 132 LSPN0556 BOTTOM CUSHION EAR, STYROFOAM ( E A,B,C,C) 133 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( C,A,B,C,C) 134 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( C,A,B,C,C) 135 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( D,E,F) 136 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( D,E,F) 137 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( D,E,F) 138 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( D,E,F) 139 LSPN0550 DVD DISK DOOR-LID UNIT ( 3 A,B,C,C) 151 TMM77408 CLAMPER 5 200 LSGL0420 PANEL LIGHT 3 201 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F) 203 LSMB0170 DVD CASSETTE DOOR SPRING 3 204 LSMB0170 DVD CASSETTE DOOR SPRING 3				_
95 LSMG0158 SPEAKER CUSHION R ( D,E,F ) 3 96 TMM7464-1 CLAMPER 5 97 LSJA0536 AC CORD W/PLUG,120V 4 ⚠ 100 EUR77EC2406A BATTERY COVER 6 118 LPP64005A BAG, POLYETHYLENE ( A,B,C ) 6 118 LSP6054 BAG, POLYETHYLENE ( D,E,F ) 6 121 LSPG1930 PACKING CASE, PAPER ( A,B ) 6 121 LSPG1977 PACKING CASE, PAPER ( C ) 6 121 LSPG196 PACKING CASE, PAPER ( D,E ) 6 122 LSQF0995 FAN BAG ( A,D ) 6 122 LSQF0939 FAN BAG ( B,E ) 6 123 EUR7724020R INFRARED REMOTE CONTROL UNIT 6 124 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( A,B,C ) 125 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( A,B,C ) 126 LSPN0553 TOP CUSHION LEFT, STYROFOAM ( A,B,C ) 127 LSPN0555 BOTTOM CUSHION 6 131 LSPN0555 BOTTOM CUSHION 6 132 LSPN0556 BOTTOM CUSHION 6 133 LSPN0556 BOTTOM CUSHION 6 134 LSPN0556 BOTTOM CUSHION 6 135 LSPN0556 BOTTOM CUSHION 6 136 LSPN0556 BOTTOM CUSHION 6 137 LSPN0556 BOTTOM CUSHION 6 138 LSPN0556 BOTTOM CUSHION 6 139 LSPN0556 BOTTOM CUSHION 6 130 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 131 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 132 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 134 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 135 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 136 LSPN0557 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 137 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 138 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 159 LSPN0550 DVD DISK DOOR-LID UNIT ( A,B,D,E ) 150 LSR0605 DVD DISK DOOR-LID UNIT ( C,F ) 151 TMM77408 CLAMPER 5 152 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F ) 153 LSR0170 DVD CASSETTE DOOR SPRING 3 154 LSM0800 DVD MOUNT ANGLE 2				_
96				
97 LSJA0536 AC CORD W/PLUG,120V 4				
100 EUR77EC2406A BATTERY COVER 6 118 LPE64005A BAG, POLYETHYLENE ( A,B,C ) 6 118 LSPF0054 BAG, POLYETHYLENE ( D,E,F ) 6 121 LSPG1930 PACKING CASE, PAPER ( A,B ) 6 121 LSPG1977 PACKING CASE, PAPER ( D,E ) 6 121 LSPG1929 PACKING CASE, PAPER ( D,E ) 6 122 LSQF0905 FAN BAG ( A,D ) 6 122 LSQF0905 FAN BAG ( B,E ) 6 123 EUR7724020R INFRARED REMOTE CONTROL UNIT 6 ( A,B,D,E ) 6 124 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( A,B,C ) 7 125 LSPN0550 TOP CUSHION RIGHT, STYROFOAM ( A,B,C ) 7 126 LSPN0553 TOP CUSHION LEFT, STYROFOAM ( A,B,C ) 7 127 LSPN0555 BOTTOM CUSHION CUSHION 6 FRONT, STYROFOAM ( A,B,C ) 7 131 LSPN0555 BOTTOM CUSHION CUSHION 6 FRONT, STYROFOAM ( A,B,C ) 8 132 LSPN0556 BOTTOM CUSHION CUSHION 6 FRONT, STYROFOAM ( A,B,C ) 8 133 LSPN0556 BOTTOM CUSHION CUSHION 6 FRONT, STYROFOAM ( D,E,F ) 8 134 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 8 135 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 8 136 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 8 137 LSPN0550 DOT DOT CUSHION REAR, STYROFOAM ( A,B,C ) 8 138 LSPN0550 DOT DISK DOOR-LID UNIT ( 3 A,B,C,C) 15 151 TMM77408 CLAMPER 5 200 LSGL0420 PANEL LIGHT 3 201 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 ) 9 203 LSMB0170 DVD CASSETTE DOOR SPRING 3 204 LSMB0170 DVD CASSETTE DOOR SPRING 3				
118				
118				_
121 LSPG1930 PACKING CASE, PAPER ( A, B ) 6  121 LSPG1977 PACKING CASE, PAPER ( C ) 6  121 LSPG1929 PACKING CASE, PAPER ( D, E ) 6  121 LSPG1976 PACKING CASE, PAPER ( D, E ) 6  122 LSQF0905 FAN BAG ( A, D ) 6  122 LSQF0939 FAN BAG ( B, E ) 6  123 EUR7724020R INFRARED REMOTE CONTROL UNIT 6 ( A, B, D, E )  124 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( 6 A, B, C )  125 LSPN0555 TOP CUSHION RIGHT, STYROFOAM ( 6 A, B, C )  126 LSPN0553 TOP CUSHION LEFT, STYROFOAM ( 6 A, B, C )  127 LSPN0555 BOTTOM CUSHION 6  131 LSPN0555 BOTTOM CUSHION 6  131 LSPN0551 BOTTOM CUSHION 6  132 FRONT, STYROFOAM ( A, B, C )  133 LSPN0556 BOTTOM CUSHION 6  134 FRONT, STYROFOAM ( D, E, F )  135 LSPN0556 BOTTOM CUSHION 6  136 FRONT, STYROFOAM ( D, E, F )  137 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A, B, C )  138 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( D, E, F )  139 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( D, E, F )  130 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( D, E, F )  131 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( D, E, F )  132 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( D, E, F )  133 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( D, E, F )  151 TMM77408 CLAMPER  200 LSGL0420 PANEL LIGHT 3  201 LSKF0629 DVD DISK DOOR-LID UNIT ( C, F 3 )  202 LSKF0629 DVD DISK DOOR-LID UNIT ( C, F 3 )  203 LSMB0170 DVD CASSETTE DOOR SPRING 3  204 LSMA0800 DVD MOUNT ANGLE				
121 LSPG1977 PACKING CASE, PAPER ( C ) 6 121 LSPG1929 PACKING CASE, PAPER ( D,E ) 6 121 LSPG1976 PACKING CASE, PAPER ( D,E ) 6 122 LSQF0905 FAN BAG ( A,D ) 6 122 LSQF0939 FAN BAG ( B,E ) 6 123 EUR7724020R INFRARED REMOTE CONTROL UNIT 6 ( A,B,D,E ) 124 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( 6 A,B,C ) 125 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( 6 A,B,C ) 126 LSPN0553 TOP CUSHION LEFT, STYROFOAM ( 6 A,B,C ) 127 LSPN0550 TOP CUSHION LEFT, STYROFOAM ( 6 A,B,C ) 128 LSPN0550 TOP CUSHION LEFT, STYROFOAM ( 6 A,B,C ) 129 LSPN0550 TOP CUSHION LEFT, STYROFOAM ( 6 A,B,C ) 120 LSPN0550 TOP CUSHION LEFT, STYROFOAM ( 6 A,B,C ) 131 LSPN0555 BOTTOM CUSHION FRONT, STYROFOAM ( A,B,C ) 132 LSPN0556 BOTTOM CUSHION FRONT, STYROFOAM ( A,B,C ) 133 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 134 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 135 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 136 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 137 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 138 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 139 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 150 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 151 TMM77408 CLAMPER 152 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 153 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 154 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 155 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 156 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 157 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 158 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 159 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 150 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 151 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 152 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 153 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C ) 154 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )				
121 LSPG1929 PACKING CASE, PAPER ( D, E ) 6  121 LSPG1976 PACKING CASE, PAPER ( F ) 6  122 LSQF0905 FAN BAG ( A,D ) 6  122 LSQF0939 FAN BAG ( B,E ) 6  123 EUR7724020R INFRARED REMOTE CONTROL UNIT 6 ( A,B,D,E )  124 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( 6 A,B,C )  125 LSPN0550 TOP CUSHION RIGHT, STYROFOAM ( 6 A,B,C )  126 LSPN0553 TOP CUSHION LEFT, STYROFOAM ( 6 A,B,C )  127 LSPN0555 BOTTOM CUSHION 6 CUSHION 6 FRONT, STYROFOAM ( A,B,C )  128 LSPN0555 BOTTOM CUSHION 6 FRONT, STYROFOAM ( A,B,C )  129 LSPN0550 BOTTOM CUSHION 6 CUSHION 6 FRONT, STYROFOAM ( A,B,C )  120 LSPN0555 BOTTOM CUSHION 6 FRONT, STYROFOAM ( A,B,C )  131 LSPN0551 BOTTOM CUSHION 6 FRONT, STYROFOAM ( D,E,F )  132 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  133 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  134 LSPN0551 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  135 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  136 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  137 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  138 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  139 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  140 LSPN0550 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  151 TMM77408 CLAMPER  250 LSGL0420 PANEL LIGHT  260 LSGL0420 PANEL LIGHT  270 LSKF0629 DVD DISK DOOR-LID UNIT ( A,B,C,E )  271 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 )  272 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 )  273 LSMB0170 DVD CASSETTE DOOR SPRING 3  274 LSMA0800 DVD MOUNT ANGLE				
121 LSPG1976 PACKING CASE, PAPER ( F ) 6  122 LSQF0905 FAN BAG ( A,D ) 6  122 LSQF0939 FAN BAG ( B,E ) 6  123 EUR7724020R INFRARED REMOTE CONTROL UNIT 6 ( A,B,D,E )  124 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( 6 A,B,C )  125 LSPN0554 TOP CUSHION RIGHT, STYROFOAM ( 6 A,B,C )  126 LSPN0553 TOP CUSHION LEFT, STYROFOAM ( 6 A,B,C )  126 LSPN0555 TOP CUSHION LEFT, STYROFOAM ( 6 A,B,C )  127 LSPN0555 TOP CUSHION LEFT, STYROFOAM ( 6 A,B,C )  128 LSPN0555 BOTTOM CUSHION 6 FRONT, STYROFOAM ( 6 A,B,C )  130 LSPN0551 BOTTOM CUSHION 6 FRONT, STYROFOAM ( A,B,C )  131 LSPN0555 BOTTOM CUSHION 6 FRONT, STYROFOAM ( A,B,C )  132 LSPN0556 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  133 LSPN0552 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  134 LSPN0552 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  135 LSPN0554 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  136 LSPN0555 BOTTOM CUSHION REAR, STYROFOAM ( A,B,C )  157 TMM77408 CLAMPER  200 LSGL0420 PANEL LIGHT  201 LSGL0420 PANEL LIGHT  202 LSKF0605 DVD DISK DOOR-LID UNIT ( 3 A,B,D,E )  203 LSMB0170 DVD CASSETTE DOOR SPRING 3  204 LSMA0800 DVD MOUNT ANGLE				
122 LSQF0905 FAN BAG ( A,D ) 6 122 LSQF0939 FAN BAG ( B,E ) 6 122 LSQF0941 FAN BAG ( C,F ) 6 123 EUR7724020R INFRARED REMOTE CONTROL UNIT 6 ( A,B,D,E ) 124 EUR7724030R INFRARED REMOTE CONTROL UNIT 6 ( C,F ) 125 LSPN0554 TOP CUSHION RIGHT,STYROFOAM ( 6 A,B,C ) 126 LSPN0550 TOP CUSHION RIGHT,STYROFOAM ( 6 D,E,F ) 126 LSPN0553 TOP CUSHION LEFT,STYROFOAM ( 6 A,B,C ) 127 LSPN0555 TOP CUSHION LEFT,STYROFOAM ( 6 D,E,F ) 130 LSPN0555 BOTTOM CUSHION 6 FRONT,STYROFOAM ( A,B,C ) 131 LSPN0555 BOTTOM CUSHION 6 FRONT,STYROFOAM ( D,E,F ) 132 LSPN0556 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C ) 133 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C ) 134 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C ) 135 LSPN0554 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C ) 150 LSGL0420 PANEL LIGHT 3 151 TMM77408 CLAMPER 5 152 LSKF0605 DVD DISK DOOR-LID UNIT ( 3 A,B,D,E ) 153 LSMB0170 DVD CASSETTE DOOR SPRING 3 154 LSMA0800 DVD MOUNT ANGLE 2				
122				_
122 LSQF0941 FAN BAG ( C,F ) 6  123 EUR7724020R INFRARED REMOTE CONTROL UNIT 6 ( A,B,D,E )  123 EUR7724030R INFRARED REMOTE CONTROL UNIT 6 ( C,F )  125 LSPN0554 TOP CUSHION RIGHT,STYROFOAM ( 6 A,B,C )  126 LSPN0553 TOP CUSHION LEFT,STYROFOAM ( 6 A,B,C )  126 LSPN0559 TOP CUSHION LEFT,STYROFOAM ( 6 A,B,C )  127 LSPN0550 TOP CUSHION LEFT,STYROFOAM ( 6 A,B,C )  128 LSPN0551 TOP CUSHION LEFT,STYROFOAM ( 6 A,B,C )  129 LSPN0555 BOTTOM CUSHION 6 FRONT,STYROFOAM ( A,B,C )  131 LSPN0555 BOTTOM CUSHION 6 FRONT,STYROFOAM ( D,E,F )  132 LSPN0556 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C )  133 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C )  134 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F )  155 TMM77408 CLAMPER  200 LSGL0420 PANEL LIGHT 3  201 LSKF0605 DVD DISK DOOR-LID UNIT ( 3 A,B,D,E )  202 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 )  203 LSMB0170 DVD CASSETTE DOOR SPRING 3  204 LSMA0800 DVD MOUNT ANGLE 2				
EUR7724020R   INFRARED REMOTE CONTROL UNIT ( A,B,D,E )		-		
( A,B,D,E )  123 EUR7724030R INFRARED REMOTE CONTROL UNIT 6  ( C,F )  125 LSPN0554 TOP CUSHION RIGHT,STYROFOAM ( 6 A,B,C )  126 LSPN0553 TOP CUSHION LEFT,STYROFOAM ( 6 A,B,C )  126 LSPN0549 TOP CUSHION LEFT,STYROFOAM ( 6 D,E,F )  131 LSPN0555 BOTTOM CUSHION CUSHION 6 FRONT,STYROFOAM ( A,B,C )  131 LSPN0551 BOTTOM CUSHION 6 FRONT,STYROFOAM ( A,B,C )  132 LSPN0556 BOTTOM CUSHION 6 FRONT,STYROFOAM ( A,B,C )  132 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C )  134 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C )  155 TMM77408 CLAMPER  200 LSGL0420 PANEL LIGHT 3  201 LSKF0605 DVD DISK DOOR-LID UNIT ( 3 A,B,D,E )  202 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 )  203 LSMB0170 DVD CASSETTE DOOR SPRING 3  204 LSMA0800 DVD MOUNT ANGLE 2				
( C,F )  125			( A,B,D,E )	
A,B,C)  125 LSPN0550 TOP CUSHION RIGHT,STYROFOAM ( 6 D,E,F )  126 LSPN0553 TOP CUSHION LEFT,STYROFOAM ( 6 A,B,C )  126 LSPN0549 TOP CUSHION LEFT,STYROFOAM ( 6 D,E,F )  131 LSPN0555 BOTTOM CUSHION 6 FRONT,STYROFOAM ( A,B,C )  131 LSPN0551 BOTTOM CUSHION 6 FRONT,STYROFOAM ( D,E,F )  132 LSPN0556 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C )  132 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F )  132 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F )  132 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F )  134 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM ( D,E,F )  155 TMM77408 CLAMPER  200 LSGL0420 PANEL LIGHT 3  201 LSKF0605 DVD DISK DOOR-LID UNIT ( 3 A,B,D,E )  202 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 )  203 LSMB0170 DVD CASSETTE DOOR SPRING 3  204 LSMA0800 DVD MOUNT ANGLE 2	123	EUR7724030R	( C,F )	
D,E,F	125	LSPN0554		6
A,B,C)  126 LSPN0549 TOP CUSHION LEFT,STYROFOAM ( 6 D,E,F )  131 LSPN0555 BOTTOM CUSHION 6 FRONT,STYROFOAM ( A,B,C )  131 LSPN0551 BOTTOM CUSHION 6 FRONT,STYROFOAM ( D,E,F )  132 LSPN0556 BOTTOM CUSHION REAR,STYROFOAM ( A,B,C )  132 LSPN0552 BOTTOM CUSHION REAR,STYROFOAM 6 ( D,E,F )  151 TMM77408 CLAMPER 5  200 LSGL0420 PANEL LIGHT 3  202 LSKF0605 DVD DISK DOOR-LID UNIT ( 3 A,B,D,E )  203 LSMB0170 DVD CASSETTE DOOR SPRING 3  204 LSMA0800 DVD MOUNT ANGLE 2			D,E,F )	
D,E,F			A,B,C )	
FRONT,STYROFOAM ( A,B,C )			D,E,F)	
FRONT,STYROFOAM ( D,E,F )			FRONT, STYROFOAM ( A,B,C )	
( A,B,C )  132  LSPN0552  BOTTOM CUSHION REAR,STYROFOAM 6   ( D,E,F )  151  TMM77408  CLAMPER  5  200  LSGL0420  PANEL LIGHT  3  202  LSKF0605  DVD DISK DOOR-LID UNIT ( 3,B,D,E )  202  LSKF0629  DVD DISK DOOR-LID UNIT ( C,F 3 )  203  LSMB0170  DVD CASSETTE DOOR SPRING 3  204  LSMA0800  DVD MOUNT ANGLE 2			FRONT, STYROFOAM ( D, E, F )	
( D,E,F )  151 TMM77408 CLAMPER 5  200 LSGL0420 PANEL LIGHT 3  202 LSKF0605 DVD DISK DOOR-LID UNIT ( 3 A,B,D,E )  202 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 )  203 LSMB0170 DVD CASSETTE DOOR SPRING 3  204 LSMA0800 DVD MOUNT ANGLE 2	13∠	пръилрор		O
200 LSGL0420 PANEL LIGHT 3 202 LSKF0605 DVD DISK DOOR-LID UNIT ( 3 A,B,D,E ) 202 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 ) 203 LSMB0170 DVD CASSETTE DOOR SPRING 3 204 LSMA0800 DVD MOUNT ANGLE 2	122	T CDMOFF2		ا ا
202 LSKF0605 DVD DISK DOOR-LID UNIT ( 3 A,B,D,E )  202 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 )  203 LSMB0170 DVD CASSETTE DOOR SPRING 3  204 LSMA0800 DVD MOUNT ANGLE 2	132	LSPN0552	BOTTOM CUSHION REAR, STYROFOAM	6
A,B,D,E )  202 LSKF0629 DVD DISK DOOR-LID UNIT ( C,F 3 )  203 LSMB0170 DVD CASSETTE DOOR SPRING 3  204 LSMA0800 DVD MOUNT ANGLE 2			BOTTOM CUSHION REAR, STYROFOAM ( D,E,F )	
) 203 LSMB0170 DVD CASSETTE DOOR SPRING 3 204 LSMA0800 DVD MOUNT ANGLE 2	151 200	TMM77408 LSGL0420	BOTTOM CUSHION REAR,STYROFOAM ( D,E,F ) CLAMPER PANEL LIGHT	5
204 LSMA0800 DVD MOUNT ANGLE 2	151 200	TMM77408 LSGL0420	BOTTOM CUSHION REAR, STYROFOAM ( D,E,F ) CLAMPER PANEL LIGHT DVD DISK DOOR-LID UNIT (	5
	151 200 202	TMM77408 LSGL0420 LSKF0605	BOTTOM CUSHION REAR, STYROFOAM ( D,E,F ) CLAMPER PANEL LIGHT DVD DISK DOOR-LID UNIT ( A,B,D,E ) DVD DISK DOOR-LID UNIT ( C,F	5 3 3
209 VMFS0213 SHEET,NYLON+RAYON 3	151 200 202 202 203	TMM77408 LSGL0420 LSKF0605 LSKF0629	BOTTOM CUSHION REAR, STYROFOAM ( D,E,F ) CLAMPER PANEL LIGHT DVD DISK DOOR-LID UNIT ( A,B,D,E ) DVD DISK DOOR-LID UNIT ( C,F ) DVD CASSETTE DOOR SPRING	5 3 3 3
	151 200 202 202 202 203 204	TMM77408 LSGL0420 LSKF0605 LSKF0629 LSMB0170 LSMA0800	BOTTOM CUSHION REAR, STYROFOAM ( D,E,F ) CLAMPER PANEL LIGHT DVD DISK DOOR-LID UNIT ( A,B,D,E ) DVD DISK DOOR-LID UNIT ( C,F ) DVD CASSETTE DOOR SPRING DVD MOUNT ANGLE	5 3 3 3 3

PV-DF205 / PV-DF2035 / PV-DF275 / PV-DF2735 / PV-DF2035-K / F	V-DE2725-K
FV-DF203 / FV-DF2033 / FV-DF273 / FV-DF2033-K / F	V-DI 2/33-K

Ref. No.	Part No.	Part Name & Description	Remarks
E11	LSEP2219A	OPERATION C.B.A.	5 RTL
E30	LSEP2218B	DEFLECTION C.B.A. ( A,B,C )	4,5 RTL
E30	LSEP2218A	DEFLECTION C.B.A. ( D,E,F )	4,5 RTL
E60	LRP63022F	CRT C.B.A. ( A,B,C )	4,5 RTL
E60	LSEP2079D	CRT C.B.A. ( D,E,F )	4,5 RTL
E70	LSUQ0079	DVD MAIN C.B.A.	2 RTL
E80	LSEP2187A	DVD SUB C.B.A.	2 RTI MKI

SERVICE FIXTURES AND TOOLS

Ref. No.	Part No.	Part Name & Description	Remarks
NO.			
	VFMS0003H6	VHS ALIGNMENT TAPE	MKE
	VFKS0081	GREASE	MKE
	VFK0329	POST ADJUSTMENT DRIVER	MKE
	VFK27	HEAD CLEANING STICK	MKE
	VFK0330	H-POSITION ADJUSTMENT DRIVER	MKE
	VFK1301	SILICONE GREASE MKE	
	DVDT-S01	DVD TEST DISC	SPC
	DVDT-S15	DVD TEST DISC	SPC
	LSUA0047	EXTENSION CABLE 13P	MKE
	LSUA0048	EXTENSION CABLE 16P	MKE

Ref. No.	Part No.	Part Name & Description	Remarks
210	LSGU0657	OPEN BUTTON L ( A,B )	3
210	LSGU0684	OPEN BUTTON L ( C )	3
210	LSGU0670	OPEN BUTTON H ( D,E )	3
210	LSGU0688	OPEN BUTTON H ( F )	3
211	LSGU0666	2-2 BUTTON ( A,B,D,E )	3
	+		_
211	LSGU0686	2-2 BUTTON ( C,F )	3
212	LSGU0668	4 BUTTON ( A,B,D,E )	3
212	LSGU0687	4 BUTTON ( C,F )	3
213	LSGU0661	POWER BUTTON ( A,B,D,E )	3
213	LSGU0685	POWER BUTTON ( C,F )	3
215	LSQL1623	DOLBY & DTS CAUTION LABEL	3
230	LSGP0381	TRAY COVER	2
242	LSXK0227	DVD UNIT	2 MKI
265	VEKS9427	GROUNDING CABLE W/PLUG	2
272	TMM77412	CLAMPER	5
280	LSMB0230	CASSETTE DOOR SPRING	3
282	+		3 \Lambda
	LSEQ0768	A,B,C )	
282	LSEQ0766	COLOR PICTURE TUBE UNIT (D,E,F)	3 ⚠
307	LSMA0717	SHIELD CASE A	2 MKI
309	LSJW0097	FLEXIBLE FLAT CABLE W/OUT PLUG	2 MKI
312	LMMY0030	HEAT SHEET, SI	2 MKI
317	LMMK0201	DVD FRAME	2 MKI
317	+	RATING LABEL	2 MKI
	LSQL1857		
319	LSJW0091	FLEXIBLE FLAT CABLE W/OUT PLUG	
320	J0KD00000094	FILTER FOR EMI / EMC (CORES)	2
321	LSJR0011	DVD GROUNDING PLATE	2 MKI
322	LSSC0780	FFC SHIELD CASE	2
323	VEKS9480-FE	CONNECTOR CABLE W/PLUG	2
324	LSMF0343	SHEET	2,4
330	LSVQ0089	DVD BLOCK UNIT	2 MKI
341	LSJW0060	FLEXIBLE FLAT CABLE W/OUT	
342	LSJW0061	PLUG FLEXIBLE FLAT CABLE W/OUT	4
348	LSJW0092	PLUG FLEXIBLE FLAT CABLE W/OUT	4
353	LSSC0794	PLUG SHIELD PLATE	4
404	VHDS0472-FJ	SCREW, STEEL	4
431	XTV26+6FFJ	SCREW, STEEL	2 MKI
443	XTV4+12AFJ	TAPPING SCREW, STEEL	3
446	XTV4+16AFJ	TAPPING SCREW, STEEL	3
459	1		
	XTV3+5FFJ	TAPPING SCREW, STEEL	2,4
	********		4
	XTN4+12AFJ	TAPPING SCREW, STEEL	4
469	XSN3+6FJ	SCREW, STEEL	2
469 470		•	
460 469 470 476	XSN3+6FJ	SCREW, STEEL	2
469 470 476	XSN3+6FJ XTV3+10GFJ	SCREW, STEEL TAPPING SCREW, STEEL	2 3,5
469 470 476 483	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL	2 3,5 4
469 470 476 483 487	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL	2 3,5 4 5
469 470 476 483 487 511	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL	2 3,5 4 5
469 470 476 483 487 511	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW, STEEL	2 3,5 4 5 5 1,4
469 470 476 483 487 511 513	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL	2 3,5 4 5 5 1,4 1
469 470 476 483 487 511 513 514	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL	2 3,5 4 5 1,4 1
469 470 476 483 487 511 513 514 515	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW W/WASHER, STEEL	2 3,5 4 5 5 1,4 1 1
469 470 476 483 487 511 513 514 515 516	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW W/WASHER, STEEL SCREW, STEEL	2 3,5 4 5 5 1,4 1 1 1
469 470 476 483 487 511 513 514 515 516 517 520	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ XTV26+6JFJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW W/WASHER, STEEL SCREW, STEEL SCREW, STEEL	2 3,5 4 5 5 1,4 1 1 1 1 1 2 MKI
469 470 476 483 487 511 513 514 515 516 517 520	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW W/WASHER, STEEL SCREW, STEEL	2 3,5 4 5 5 1,4 1 1 1
469 470 476 483 487 511 513 514 515 516 517 520 521	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ XTV26+6JFJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW W/WASHER, STEEL SCREW, STEEL SCREW, STEEL	2 3,5 4 5 5 1,4 1 1 1 1 1 2 MKI
469 470 476 483 487 511 513 514 515 516 517 520 521	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ XTV26+6JFJ LHT60002Y-FJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW W/WASHER, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL	2 3,5 4 5 5 1,4 1 1 1 1 2 MKI 3
469 470 476 483 487 511 513 514 515 516 517 520 521 522 523	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ XTV26+6JFJ LHT60002Y-FJ LHT60003Y-FJ	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW W/WASHER, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( A, B, C )	2 3,5 4 5 5 1,4 1 1 1 1 2 MKI 3
469 470 476 483 487 511 513 514 515 516 517 520 521 522 523 711	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ XTV26+6JFJ LHT60002Y-FJ LHT60003Y-FJ XTW3+15QFN	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW W/WASHER, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( A,B,C ) SCREW, STEEL ( D,E,F ) TAPPING SCREW, STEEL ( D,E,F )	2 3,5 4 5 5 1,4 1 1 1 1 2 MKI 3 3
469 470 476 483 487 511 513 514 515 516 517 520 521 522 523 711	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ XTV26+6JFJ LHT60002Y-FJ LHT60003Y-FJ XTW3+15QFN PNA4611M00HC	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( A,B,C ) SCREW, STEEL ( D,E,F ) TAPPING SCREW, STEEL ( D,E,F ) INFRARED RECEIVER UNIT HEAT SINK ( A,B,C )	2 3,5 4 5 5 1,4 1 1 1 2 MKI 3 3 3 5
469 470 476 483 487 511 513 514 515 516 517 520 521 522 523 7711 728	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ XTV26+6JFJ LHT60002Y-FJ LHT60003Y-FJ XTW3+15QFN PNA4611M00HC LUS63008A LSSC0254	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( A,B,C ) SCREW, STEEL ( D,E,F ) TAPPING SCREW, STEEL ( D,E,F ) INFRARED RECEIVER UNIT HEAT SINK ( A,B,C ) HEAT SINK ( D,E,F )	2 3,5 4 5 5 1,4 1 1 1 2 MKI 3 3 3 5 5 5
469 470 476 483 487 511 513 514 515 516 517 520 521 522 523 7711 728 743	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ XTV26+6JFJ LHT60002Y-FJ LHT60003Y-FJ XTW3+15QFN PNA4611M00HC LUS63008A LSSC0254 J3AAABB00002	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( A,B,C ) SCREW, STEEL ( D,E,F ) TAPPING SCREW, STEEL ( D,E,F ) INFRARED RECEIVER UNIT HEAT SINK ( A,B,C ) HEAT SINK ( D,E,F ) TUNER, UHF/VHF NR	2 3,5 4 5 5 1,4 1 1 1 1 2 MKI 3 3 3 5 5 5 5 5 5 5 5
469 470 476 483 487 511 513 514 515 516 517 520 521 522 523 7711 728 743 760	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ LHT60002Y-FJ LHT60003Y-FJ XTW3+15QFN PNA4611M00HC LUS63008A LSSC0254 J3AAABB00002 TUC77628	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( A,B,C ) SCREW, STEEL ( D,E,F ) TAPPING SCREW, STEEL ( D,E,F ) INFRARED RECEIVER UNIT HEAT SINK ( A,B,C ) HEAT SINK ( D,E,F ) TUNER, UHF/VHF NR HEAT SINK	2 3,5 4 5 5 1,4 1 1 1 1 2 MKI 3 3 3 5 5 5 5 5 5 5 5 5 5
469 470 476 483 487 511 513 514 515 516 517 520 522 523 711 728 728 743 760 771	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTV26+6JFJ LHT60002Y-FJ LHT60003Y-FJ XTW3+15QFN PNA4611M00HC LUS63008A LSSC0254 J3AAABB00002 TUC77628 EYF52BCY	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( D,E,F) TAPPING SCREW, STEEL ( D,E,F) TAPPING SCREW, STEEL ( D,E,F) TAPPING SCREW, STEEL ( D,E,F) TAPPING SCREW, STEEL ( D,E,F) THEAT SINK ( A,B,C ) HEAT SINK ( D,E,F) TUNER, UHF/VHF NR HEAT SINK FUSE HOLDER	2 3,5 4 5 5 1,4 1 1 1 1 1 2 MKI 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
469 470 476 483 487 511 513 514 515 516 517 520 521 522 523 711 728 743 760 771	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTV26+6JFJ XTV26+6JFJ LHT60002Y-FJ LHT60003Y-FJ XTW3+15QFN PNA4611M00HC LUS63008A LSSC0254 J3AAABB00002 TUC77628 EYF52BCY TUC15776	SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( D, E, F ) TAPPING SCREW, STEEL ( D, E, F ) TAPPING SCREW, STEEL ( D, E, F ) TAPPING SCREW, STEEL ( D, E, F ) THEAT SINK ( A, B, C ) HEAT SINK ( D, E, F ) TUNER, UHF/VHF NR HEAT SINK FUSE HOLDER HEAT SINK ( D, E, F )	2 3,5 4 5 5 1,4 1 1 1 1 1 2 MKI 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5
469 470 476 483 487 5511 5513 5514 5515 5516 5517 5520 5521 5522 5711 728 743 760 7771 7794	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTV26+6JFJ LHT60002Y-FJ LHT60003Y-FJ XTW3+15QFN PNA4611M00HC LUS63008A LSSC0254 J3AAABB00002 TUC77628 EYF52BCY	SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL SCREW SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( D,E,F ) TAPPING SCREW, STEEL ( D,E,F ) INFRARED RECEIVER UNIT HEAT SINK ( A,B,C ) HEAT SINK ( D,E,F ) TUNER, UHF/VHF NR HEAT SINK FUSE HOLDER HEAT SINK ( D,E,F ) HEAT SINK ( D,E,F )	2 3,5 4 5 5 1,4 1 1 1 1 1 2 MKI 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
469 470 476 483 487 511 513 514 515 516 517 520 521 522 523 711 728 743 760 771	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTV26+6JFJ XTV26+6JFJ LHT60002Y-FJ LHT60003Y-FJ XTW3+15QFN PNA4611M00HC LUS63008A LSSC0254 J3AAABB00002 TUC77628 EYF52BCY TUC15776	SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( D, E, F ) TAPPING SCREW, STEEL ( D, E, F ) TAPPING SCREW, STEEL ( D, E, F ) TAPPING SCREW, STEEL ( D, E, F ) THEAT SINK ( A, B, C ) HEAT SINK ( D, E, F ) TUNER, UHF/VHF NR HEAT SINK FUSE HOLDER HEAT SINK ( D, E, F )	2 3,5 4 5 5 1,4 1 1 1 1 1 1 2 MKI 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
469 470 476 483 487 5511 5513 5514 5515 5516 5517 5520 5521 5522 5711 7728 7728 7743 7760 7771 7794 7797	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTV26+67JFJ LHT60002Y-FJ LHT60003Y-FJ XTW3+15QFN PNA4611M00HC LUS63008A LSSC0254 J3AAABB00002 TUC77628 EYF52BCY TUC15776 LSSC0529	SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL SCREW SCREW, STEEL SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( D,E,F ) TAPPING SCREW, STEEL ( D,E,F ) INFRARED RECEIVER UNIT HEAT SINK ( A,B,C ) HEAT SINK ( D,E,F ) TUNER, UHF/VHF NR HEAT SINK FUSE HOLDER HEAT SINK ( D,E,F ) HEAT SINK ( D,E,F )	2 3,5 4 5 5 1,4 1 1 1 1 1 1 2 MKI 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
469 470 476 483 487 5511 5513 5514 5515 5516 5517 5520 5521 5522 5711 728 743 760 7771 7794	XSN3+6FJ XTV3+10GFJ XTV3+12GFJ XYN3+F10FJ XYN3+F10FJ XYN3+J8FJ XTV26+5FFJ VHD1117 XTV26+8FFJ VHD1044 XYN3+C4FJ XTN26+7JFJ LHT60003Y-FJ LHT60003Y-FJ XTW3+15QFN PNA4611M00HC LUS63008A LSSC0254 J3AAABB00002 TUC77628 EYF52BCY TUC15776 LSSC0529 LSSC0562	SCREW, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL SCREW W/WASHER, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL SCREW, STEEL ( D, E, F ) TAPPING SCREW, STEEL ( D, E, F ) TAPPING SCREW, STEEL ( D, E, F ) TAPPING SCREW, STEEL ( D, E, F ) TAPPING SCREW, STEEL ( D, E, F ) THEAT SINK ( A, B, C ) HEAT SINK ( D, E, F ) TUNER, UHF/VHF NR HEAT SINK ( D, E, F ) HEAT SINK ( A, B, C ) HEAT SINK ( A, B, C )	2 3,5 4 5 5 1,4 1 1 1 1 2 MKI 3 3 5 5 5 5 5 5 5 5

# 12.3. ELECTRICAL REPLACEMENT **PARTS LIST**

#### **COMPARISON CHART OF MODELS & MARKS**

MODEL	MARK
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	Е
PV-DF275	H

#### **Definition of Parts supplier:**

- 1. Parts with mark "MKI" in the Remarks column are supplied from MKI.
- 2. Parts without mark in the Remarks column are supplied from MKA.

DDINITED	CIDCLIIT	ASSEMBLY

	PRINTED CIRCUIT BOARD ASSEMBLY			
Ref.	Part No.	Part No. Part Name & Description		
No.				
E10	LSEP2217B	MAIN C.B.A. ( A,B,C )	E.S.D. RTL	
E10	LSEP2217A	MAIN C.B.A. ( D,E,F )	E.S.D. RTL	
E11	LSEP2219A	OPERATION C.B.A.	RTL	
E30	LSEP2218B	DEFLECTION C.B.A. ( A,B,C )	RTL	
E30	LSEP2218A	DEFLECTION C.B.A. ( D,E,F )	RTL	
E60	LRP63022F	CRT C.B.A. ( A,B,C )	RTL	
E60	LSEP2079D	CRT C.B.A. ( D,E,F )	RTL	
E70	LSUQ0079	DVD MAIN C.B.A.	E.S.D. RTL MKI	
E80	LSEP2187A	DVD SUB C.B.A.	RTL MKI	

#### 12.3.1. MAIN C.B.A.

#### **COMPARISON CHART OF MODELS & MARKS**

MODEL	MARK
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	E
PV-DF275	F

#### INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC850	C5HABZZ00109	IC, LINEAR ( A,B,C )	Δ
IC850	C5HABZZ00110	IC, LINEAR ( D,E,F )	Δ
IC1001	C5HABZZ00132	IC, LINEAR	Δ
IC1002	CNC1S101R1KT	IC, LINEAR	$\triangle$
or IC1002	CNC1s101s1KT	IC, LINEAR	Δ
IC1003	C0DAEMB00004	IC, LINEAR	
IC1004	C0CBCDD00012	IC, LINEAR	
IC1005	C0DBZHG00012	IC, LINEAR	
IC1006	C0DBZGG00010	IC, LINEAR	
IC1201	CODBZJG00006	IC, LINEAR	
IC1202	C0DAZKH00002	IC, LINEAR	

Ref. No.	Part No.	Part Name & Description	Remarks
IC1301	C0DBZJG00007	IC, LINEAR	
IC1302	C0CBCDC00052	IC, LINEAR	
IC3001	C1AB00002002	IC, LINEAR	
IC4201	AN3663FBP-V	IC, LINEAR	
IC4501	C1BA00000367	IC, LIENAR	
IC4601	C1BB00000815	IC, LINEAR	
IC5301	AN15167A-VT	IC, LINEAR	
IC5352	C1AB00001682	IC, LINEAR	
or IC5352	C1AB00001519	IC, LINEAR	
IC5651	C1AB00002241	IC, LINEAR	
IC5653	C1AB00001777	IC, LINEAR	
IC6001	C2CBJG000551	IC, 16BIT MICROCONTROLLER	E.S.D.
IC6002	B3NAA0000049	PHOTO INTERRUPUTER	
IC6003	B3NAA0000049	PHOTO INTERRUPUTER	
IC6004	LSSK0063	IC, 2K EEP ROM	E.S.D.
IC6005	C0EBJ0000080	IC, CMOS STANDARD LOGIC	E.S.D.
or IC6005	C0EBJ0000099	IC, CMOS STADNARD LOGIC	E.S.D.
or IC6005	С0ЕВJ0000236	IC, CMOS STANDARD LOGIC	E.S.D.
IC6201	C1AB00001767	IC, LINEAR	

Ref.	Part No.	TRANSISTORS  Part Name & Description	Remarks
No.	Part NO.	rait Name & Description	Remarks
Q591	2SC3311AHA	TRANSISTOR SI NPN	
Q801	2SC3311ARA	TRANSISTOR SI NPN	
Q1201	XP0431100L	TRANSISTOR COMPLX CMP SI NPN/PNP CHIP	
Q1206	B1BADC00001	TRANSISTOR SI NPN	
Q3001	UNR221300L	TRANSISTOR SI NPN CHIP	
or Q3001	B1GBCFNN0004	TRANSISTOR SI NPN CHIP	
Q3002	2SD0601A0L	TRANSISTOR SI NPN CHIP	
or Q3002	B1ABCC000004	TRANSISTOR SI NPN CHIP	
or Q3002	B1ABCF000011	TRANSISTOR SI NPN CHIP	
or Q3002	B1ABCF000106	TRANSISTOR SI NPN CHIP	
Q3003	2SB0709A0L	TRANSISTOR SI PNP CHIP	
or Q3003	B1ADCC000004	TRANSISTOR SI PNP CHIP	
or Q3003	B1ADCF000001	TRANSISTOR SI PNP CHIP	
or Q3003	B1ADCF000077	TRANSISTOR SI PNP CHIP	
Q3005	UNR221100L	TRANSISTOR SI NPN CHIP	
or Q3005	B1GBCFJJ0002	TRANSISTOR SI NPN CHIP	
Q3006	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q3006	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q3305	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q3305	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q4081	UNR211100L	TRANSISTOR SI PNP CHIP	
or Q4081	B1GDCFJJ0002	TRANSISTOR SI PNP CHIP	
Q4082	2SD1819AHL	TRANSISTOR SI NPN CHIP	
or Q4082	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q4083	2SD1819AHL	TRANSISTOR SI NPN CHIP	
or Q4083	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q4101	2SD0601ARL	TRANSISTOR SI NPN CHIP	
Q4201	UNR511500L	TRANSISTOR SI PNP CHIP	
or Q4201	B1GDCFJA0017	TRANSISTOR SI PNP CHIP	
or Q4201	B1GDCFJJ0025	TRANSISTOR SI PNP CHIP	
Q4203	2SD132800L	TRANSISTOR SI NPN CHIP	
Q4204	2SD132800L	TRANSISTOR SI NPN CHIP	
Q5301	2SB1218A0L	TRANSISTOR SI PNP CHIP	
or Q5301	B1ADCF000063	TRANSISTOR SI PNP CHIP	

Ref. No.	Part No.	Part Name & Description	Remarks
or	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q5301	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5302 or	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5302	521.501 000020		
Q5651	2SB1218A0L	TRANSISTOR SI PNP CHIP	
or Q5651	B1ADCF000063	TRANSISTOR SI PNP CHIP	
or	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q5651			
Q5652	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5652	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5653	2SB1218A0L	TRANSISTOR SI PNP CHIP	
or	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q5653			
or Q5653	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q5657	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5657			
Q5658	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q5658	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q5659	UNR221200L	TRANSISTOR SI NPN CHIP	
or	B1GBCFLL0002	TRANSISTOR SI NPN CHIP	
Q5659	0.=00=		
Q5901	2SD225900A 2SB0709A0L	TRANSISTOR SI NPN	
Q6001 or	B1ADCC000004	TRANSISTOR SI PNP CHIP TRANSISTOR SI PNP CHIP	
Q6001	22120000000		
or Q6001	B1ADCF000001	TRANSISTOR SI PNP CHIP	
or Q6001	B1ADCF000077	TRANSISTOR SI PNP CHIP	
Q6002	2SD0601A0L	TRANSISTOR SI NPN CHIP	
or Q6002	B1ABCC000004	TRANSISTOR SI NPN CHIP	
or Q6002	B1ABCF000011	TRANSISTOR SI NPN CHIP	
or Q6002	B1ABCF000106	TRANSISTOR SI NPN CHIP	
Q6003	2SD0601A0L	TRANSISTOR SI NPN CHIP	
or	B1ABCC000004	TRANSISTOR SI NPN CHIP	
Q6003			
or Q6003	B1ABCF000011	TRANSISTOR SI NPN CHIP	
or Q6003	B1ABCF000106	TRANSISTOR SI NPN CHIP	
Q6005	2SB0709A0L	TRANSISTOR SI PNP CHIP	
or	B1ADCC000004	TRANSISTOR SI PNP CHIP	
Q6005	D1 ADGEOGGGG	TRANSTOROR OF THE COURT	
or Q6005	B1ADCF000001	TRANSISTOR SI PNP CHIP	
or Q6005	B1ADCF000077	TRANSISTOR SI PNP CHIP	
Q6006	2SD0601A0L	TRANSISTOR SI NPN CHIP	
or Q6006	B1ABCC000004	TRANSISTOR SI NPN CHIP	
or Q6006	B1ABCF000011	TRANSISTOR SI NPN CHIP	
or Q6006	B1ABCF000106	TRANSISTOR SI NPN CHIP	
Q6009	VEKS9440	PHOTO SENSOR ASS'Y	
Q6010	VEKS9440	PHOTO SENSOR ASS'Y	
Q7031	2SB0709A0L	TRANSISTOR SI PNP CHIP	
or Q7031	B1ADCC000004	TRANSISTOR SI PNP CHIP	
or Q7031	BladCF000001	TRANSISTOR SI PNP CHIP	
or Q7031	B1ADCF000077	TRANSISTOR SI PNP CHIP	
	•	, DIODEC	
D-f	Dami No.	DIODES	

		DIODES	
Ref. No.	Part No.	Part Name & Description	Remarks
D591	D4DDD3R00002	THERMISTOR	⚠
or D591	D4DDD3R00003	THERMISTOR	$\triangle$
D592	MA2C16700E	DIODE SI	

	FV-DF205 / F	V-DF2035 / FV-DF275 / FV-DF2735 / FV-DF2	.033-IV / I V-D
Ref.	Part No.	Part Name & Description	Remarks
No.	B0AAEL000001	DIODE SI	
		SURGE ABSORBER	$\triangle$
		SURGE ABSORBER	<u></u>
	MA2C16700E	DIODE SI	
or D803	B0AAEL000001	DIODE SI	
D804	B0AAKT000010	DIODE SI	Δ
or D804	B0EAKT000030	DIODE SI	$\triangle$
D805	B0AAKT000010	DIODE SI	$\triangle$
or D805	B0EAKT000030	DIODE SI	$\triangle$
D806	B0AAKT000010	DIODE SI	$\triangle$
or D806	B0EAKT000030	DIODE SI	<u> </u>
	BOAAKT000010	DIODE SI	Å
		DIODE SI	<u> </u>
		DIODE SI	
<b>-</b>		DIODE SI	
		DIODE SI	
-	BOHAGPOOOO12	DIODE SI	
		DIODE SI	-
		DIODE SI CHIP	
D860	B0EALR000005	DIODE SI	$\triangle$
		DIODE ZENER 27V DIODE SI	<u> </u>
	B0HAJP000014	DIODE SI	
		DIODE SI	
		DIODE SI	+
		DIODE SI	+
		DIODE SI	
	B0HAMM000114	DIODE SI	
		DIODE SI	
		DIODE SI	
D1001	B0EDKT000009	DIODE SI	$\triangle$
		DIODE SI	
		DIODE ZENER 4.7V	
or		DIODE ZENER 4.7V	
D1003			
D1004	вонаммоооовз	DIODE SI	
D1005	вонаммоооовз	DIODE SI	
D1006	B0HAMM000083	DIODE SI	
D1008	вонаммоооовз	DIODE SI	
D1009	вонаммоооовз	DIODE SI	
D1010		DIODE SI CHIP	
D1011		DIODE SI CHIP	
D1012		DIODE SI	
or	B0JAMD000012	DIODE SI	
D1012 D1013	B0JAME000079	DIODE SI	
or	B0JAME000079	DIODE SI	
D1013	BOUAMEOUUU49	DIODE 31	
or	B0JANE000028	DIODE SI	
D1013			
D1015	B0JAME000079	DIODE SI	
or	војаме000049	DIODE SI	
D1015			-
or D1015	B0JANE000028	DIODE SI	
D1015 D1016	B0HAHP000014	DIODE SI	
or	B0HAJP000014	DIODE SI	
D1016		<del></del>	
or	вонамроооо61	DIODE SI	
D1016			
D1017	вонаммоооо83	DIODE SI	
D1021	B0BB17000006	DIODE ZENER 17V	
D1022	вонаммооо105	DIODE SI	
or	B0HAML000013	DIODE SI	
D1022	D0113WT 000011	DIODE GI	
or D1022	B0HAML000014	DIODE SI	
D1022	B0AAML000001	DIODE SI	
or	B0EAKL000008	DIODE SI	
D1201			
D1202	B0AAML000001	DIODE SI	
or	B0EAKL000008	DIODE SI	
D1202			
D4209	MA2C165001VT	DIODE SI	1
or D4209	B0AACK000004	DIODE SI	

Ref.		T	
No.	Part No.	Part Name & Description	Remarks
D4210	MA2C165001VT	DIODE SI	
or D4210	B0AACK000004	DIODE SI	
D4507	MA2C165001VT	DIODE SI	
or	B0AACK000004	DIODE SI	
D4507			
D4508	MA2C165001VT	DIODE SI	
or	B0AACK000004	DIODE SI	
D4508 D4591	MAZ42400MF	DIODE ZENER 24V	
D4592	MAZ42400MF	DIODE ZENER 24V	
D4593	MAZ42400MF	DIODE ZENER 24V	
D4594	MAZ42400MF	DIODE ZENER 24V	
D4601	B0AAML000001	DIODE SI	
or	B0EAKL000008	DIODE SI	
D4601	W 7 4 0 F 1 0 W F	DIODE GENER E 11	
D4710 or	MAZ40510MF B0BA5R100022	DIODE ZENER 5.1V	
D4710	BOBASKIOOOZZ	DIODE ZENER 3.1V	
or	B0BA5R200015	DIODE ZENER 5.2V	
D4710			1
D4711	MAZ40510MF	DIODE ZENER 5.1V	1
or D4711	B0BA5R100022	DIODE ZENER 5.1V	1
or	B0BA5R200015	DIODE ZENER 5.2V	
D4711			1
D4715	MA2C165001VT	DIODE SI	1
or D4715	B0AACK000004	DIODE SI	1
D4715 D4716	MA2C165001VT	DIODE SI	1
or	B0AACK000004	DIODE SI	
D4716			
D4717	MA2C165001VT	DIODE SI	
or D4717	B0AACK000004	DIODE SI	
D4717 D4718	MA2C165001VT	DIODE SI	
or	B0AACK000004	DIODE SI	
D4718			
D5304	MA2C165001VT	DIODE SI	
or DE204	B0AACK000004	DIODE SI	
D5304 D5501	MAZ40620L1KT	DIODE ZENER 6.2V	Δ
D6001	B3EA00000072	SENSOR LED	
D6002	MA2C165001VT	DIODE SI	
or	B0AACK000004	DIODE SI	
D6002			
D6003	MA2C165001VT	DIODE SI	
D6003 or	MA2C165001VT B0AACK000004	DIODE SI DIODE SI	
D6003			
D6003 or D6003	B0AACK000004	DIODE SI	
D6003 or D6003 D6004 or D6004	B0AACK000004 MA2C165001VT B0AACK000004	DIODE SI DIODE SI	
D6003 or D6003 D6004 or D6004 D6005	B0AACK000004  MA2C165001VT  B0AACK000004  MA2C165001VT	DIODE SI DIODE SI DIODE SI	
D6003 or D6003 D6004 or D6004 D6005 or	B0AACK000004 MA2C165001VT B0AACK000004	DIODE SI DIODE SI	
D6003 or D6003 D6004 or D6004 D6005	B0AACK000004  MA2C165001VT  B0AACK000004  MA2C165001VT	DIODE SI DIODE SI DIODE SI	
D6003 or D6003 D6004 or D6004 D6005 or D6005 D6006 or	B0AACK000004  MA2C165001VT  B0AACK000004  MA2C165001VT  B0AACK000004	DIODE SI DIODE SI DIODE SI DIODE SI	
D6003 or D6003 D6004 or D6004 D6005 or D6005 D6006 or D6006	BOAACK00004  MA2C165001VT  BOAACK000004  MA2C165001VT  BOAACK000004  MA2C165001VT  BOAACK000004	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI	
D6003 or D6003 D6004 or D6005 or D6005 D6006 or D6006	BOAACK00004  MA2C165001VT  BOAACK000004  MA2C165001VT  BOAACK000004  MA2C165001VT  BOAACK000004  MA2C165001VT	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI	
D6003 or D6003 D6004 or D6004 D6005 or D6005 D6006 or D6006	BOAACK00004  MA2C165001VT  BOAACK000004  MA2C165001VT  BOAACK000004  MA2C165001VT  BOAACK000004	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI	
D6003  or D6003  D6004  or D6004  D6005  or D6006  or D6006  or D6006	BOAACK00004  MA2C165001VT  BOAACK000004  MA2C165001VT  BOAACK000004  MA2C165001VT  BOAACK000004  MA2C165001VT	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI	
D6003  or D6003  D6004  or D6004  D6005  or D6006  or D6006  D6009  or D6009  D6010  or	B0AACK000004  MA2C165001VT  B0AACK000004  MA2C165001VT  B0AACK000004  MA2C165001VT  B0AACK000004  MA2C165001VT  B0AACK000004	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI	
D6003 or D6004 or D6004 D6005 or D6005 or D6006 or D6006 or D6009 or D6010 or	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI	
D6003  or D6003  D6004  or D6004  D6005  or D6006  or D6006  or D6009  or D6010  or D6010  D6201	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT MA2C165001VT MA2C165001VT	DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI	
D6003 or D6004 or D6004 D6005 or D6005 or D6006 or D6006 or D6009 or D6010 or	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI	
D6003 or D6003 D6004 or D6005 or D6005 Or D6006 or D6006 or D6009 or D6009 or D6010 or D6010 or	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT MA2C165001VT MA2C165001VT	DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI  DIODE SI	
D6003 or D6004 or D6005 or D6006 or D6006 or D6006 D6009 or D6010 or D6010 or D6201	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI	
D6003 Or D6004 Or D6004 Or D6005 Or D6006 Or D6006 Or D6009 Or D6010 Or D6201 D6202 Or D6202	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOOO4  MA2C165001VT BOAACKOOOOOO	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI	
D6003 Or D6004 Or D6004 Or D6005 Or D6006 Or D6006 Or D6009 Or D6010 Or D6201 D6202 Or D6202 D6301	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOOO4  MA2C165001VT BOAACKOOOOOO MA2C165001VT BOAACKOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI LIGHT EMITTING DIODE RED	
D6003 Or D6004 Or D6004 D6005 Or D6006 Or D6006 Or D6009 Or D6010 Or D6201 D6201 D6202 Or D6202 D6301 D6304	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOOO4  MA2C165001VT BOAACKOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI LIGHT EMITTING DIODE RED LIGHT EMITTING DIODE ORANGE	
D6003 Or D6004 Or D6004 D6005 Or D6006 Or D6006 Or D6009 Or D6010 Or D6201 D6201 D6202 Or D6202 D6301 D6304 D9501	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOOO4  MA2C165001VT BOAACKOOOOOO  MA2C165001VT BOAACKOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI LIGHT EMITTING DIODE RED LIGHT EMITTING DIODE ORANGE DIODE SI	
D6003 Or D6004 Or D6004 D6005 Or D6006 Or D6006 Or D6009 Or D6010 Or D6201 D6201 D6202 Or D6202 D6301 D6304	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOOO4  MA2C165001VT BOAACKOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI LIGHT EMITTING DIODE RED LIGHT EMITTING DIODE ORANGE	
D6003 Or D6004 Or D6004 D6005 Or D6006 Or D6006 Or D6009 Or D6010 Or D6201 Or D6201 D6202 Or D6202 D6301 D6304 D9501 Or	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOOO4  MA2C165001VT BOAACKOOOOOO  MA2C165001VT BOAACKOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI LIGHT EMITTING DIODE RED LIGHT EMITTING DIODE ORANGE DIODE SI	
D6003 or D6004 D6004 D6005 or D6005 D6006 or D6006 D6009 D6010 or D6010 D6201 D6202 D6301 D6304 D9501 or D9501	BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOO4  MA2C165001VT BOAACKOOOOOO4  MA2C165001VT BOAACKOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI LIGHT EMITTING DIODE RED LIGHT EMITTING DIODE ORANGE DIODE SI DIODE SI	

Ref. No.	Part No.	Part Name & Description	Remarks
D9503	MA2C165001VT	DIODE SI	
or D9503	B0AACK000004	DIODE SI	
D9504	MA2C165001VT	DIODE SI	
or D9504	B0AACK000004	DIODE SI	
D9505	MAZ40510MF	DIODE ZENER 5.1V	
or D9505	B0BA5R100022	DIODE ZENER 5.1V	
or D9505	B0BA5R200015	DIODE ZENER 5.2V	
D9506	MAZ40510MF	DIODE ZENER 5.1V	
or D9506	B0BA5R100022	DIODE ZENER 5.1V	
or D9506	B0BA5R200015	DIODE ZENER 5.2V	
D9507	MA2C165001VT	DIODE SI	
or D9507	B0AACK000004	DIODE SI	
D9508	MA2C165001VT	DIODE SI	
or D9508	B0AACK000004	DIODE SI	
D9509	MAZ41200LF	DIODE ZENER 12V	
D9510	MAZ41200LF	DIODE ZENER 12V	
D9511	MAZ41200LF	DIODE ZENER 12V	
D9512	MAZ41200LF	DIODE ZENER 12V	

RESISTORS

		RESISTORS	
Ref. No.	Part No.	Part Name & Description	Remarks
R591	ERDS2TJ103	CARBON 1/4W 10K	
R592	ERDS2TJ472	CARBON 1/4W 4.7K	
R801	D0AF825KA002	SOLID 1/2W 8.2M	Δ
R802	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R803	ERDS2TJ103	CARBON 1/4W 10K	
R804	ERF5ZKR82	W FLMPRF 5W 0.82	Δ
R805	ERDS1FJ474T	CARBON 1/2W 470K	$\triangle$
R850	D0AF184JA038	SOLID 1/2W 180K	
R851	ERD2FCG681V	FUSE 1/4W 680	Δ
R852	ERDS2TJ683	CARBON 1/4W 68K	
R853	ERDS2TJ683	CARBON 1/4W 68K	
R855	ERX2SZJR10P	METAL FILM 2W 0.1	
R857	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R858	ERDS2TJ4R7	CARBON 1/4W 4.7 ( A,B,C )	
R858	ERDS2TJ100	CARBON 1/4W 10 ( D,E,F )	
R860	ERJ3GEYJ122V	MGF CHIP 1/16W 1.2K	
R866	ERG2SJ333H	METAL OXIDE 2W 33K	
R1001	D0AF683JA038	SOLID 1/2W 68K	
R1002	ERDS2TJ151	CARBON 1/4W 150	
R1003	D0AF150JA038	SOLID 1/2W 15	
R1004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R1005	ERX2SJR22P	METAL FILM 2W 0.22	
R1006	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R1008	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R1009	ERDS2TJ102	CARBON 1/4W 1K	
R1010	ERDS2TJ330T	CARBON 1/4W 33	
R1011	ERD25FJ3R3P	CARBON 1/4W 3.3	Δ
R1012	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R1013	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R1014	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R1015	D1BD2431A016	MGF CHIP 1/10W 2.43K	
R1016	D0HD222ZA002	MGF CHIP 1/10W 2.2K	
R1017	D1BB1242A031	MGF CHIP 1/16W 12.4K	
R1018	D0HB302ZA002	MGF CHIP 1/16W 3K	
R1020	ERDS2TJ391	CARBON 1/4W 390	
R1201	ERJ6ENF3741V	MGF CHIP 1/16W 3.74K	
R1202	ERJ3EKF1800V	MGF CHIP 1/16W 180	
R1205	ERDS2TJ331	CARBON 1/4W 330	
R1208	ERJ6GEYJ303V	MGF CHIP 1/10W 30K	
R1212	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R1621	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R3001	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R3002	ERJ3GEYJ392V	MGF CHIP 1/16W 3.9K	
R3003	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R3004	ERJ3GEYJ152V	MGF CHIP 1/16W 1.5K	

Ref.	Part No.	Part Name & Description	Remarks
No. R3005	ERJ3GEYJ152V	MGF CHIP 1/16W 1.5K	
R3005	ERJ3GEYJ682V	MGF CHIP 1/16W 1.5K	
R3007	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R3008	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R3009	ERJ3GEYJ122V	MGF CHIP 1/16W 1.2K	
R3010	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R3011	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R3012	ERJ3GEYJ182V	MGF CHIP 1/16W 1.8K	
R3014	ERJ3GEYJ685V	MGF CHIP 1/16W 6.8M	
R3018	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R3020	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R3021	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R3023	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R3024	ERJ3GEYJ273V	MGF CHIP 1/16W 27K	
R3025 R3343	ERJ3GEYJ153V ERJ3GEYJ562V	MGF CHIP 1/16W 15K MGF CHIP 1/16W 5.6K	
R3347	ERJ3GEYJ472V	MGF CHIP 1/16W 3.0K	
R3349	ERJ3GEYJ562V	MGF CHIP 1/16W 5.6K	
R4007	ERDS2TJ152	CARBON 1/4W 1.5K	
R4008	ERDS2TJ152	CARBON 1/4W 1.5K	
R4009	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R4010	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R4011	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R4012	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R4015	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	
R4016	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R4017	ERJ3GEYJ101V	MGF CHIP 1/16W 100	1
R4018	ERJ3EKF1002V	MGF CHIP 1/16W 10K	1
R4061	ERJ3GEYJ334V	MGF CHIP 1/16W 330K	
R4062	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4063	ERJ3GEYJ271V	MGF CHIP 1/16W 270	
R4071	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	
R4081 R4084	ERJ3GEYJ822V ERJ3GEYJ102V	MGF CHIP 1/16W 8.2K MGF CHIP 1/16W 1K	
R4085	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R4101	ERJ3GEYJ124V	MGF CHIP 1/16W 120K	
R4102	ERJ3GEYJ183V	MGF CHIP 1/16W 18K	
R4103	ERJ3GEYJ273V	MGF CHIP 1/16W 27K	
R4201	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R4202	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R4203	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R4204	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R4205	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R4207	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R4208	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R4209	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R4210 R4213	ERJ3GEYJ102V ERJ3GEYJ473V	MGF CHIP 1/16W 1K MGF CHIP 1/16W 47K	
R4214	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R4215	ERJ3GEYJ152V	MGF CHIP 1/16W 1.5K	
R4218	ERJ3GEYJ103V	MGF CHIP 1/16W 1.5K	
R4219	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4224	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
R4225	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R4226	ERJ3GEYJ152V	MGF CHIP 1/16W 1.5K	
R4229	ERJ3GEYJ273V	MGF CHIP 1/16W 27K	
R4230	ERJ3GEYJ273V	MGF CHIP 1/16W 27K	
R4231	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	1
R4232	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R4233	ERJ3GEYJ101V	MGF CHIP 1/16W 100	+ -
R4234	ERJ3GEYJ101V	MGF CHIP 1/16W 100	+
R4453 R4502	ERJ3GEYJ393V ERJ3GEYJ102V	MGF CHIP 1/16W 39K MGF CHIP 1/16W 1K	+
R4502 R4503	ERJ3GEYJ102V ERJ3GEYJ103V	MGF CHIP 1/16W IK MGF CHIP 1/16W 10K	
R4503	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	+
R4505	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R4506	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R4591	ERDS2TJ681	CARBON 1/4W 680	
R4592	ERDS2TJ681	CARBON 1/4W 680	
R4593	ERDS2TJ681	CARBON 1/4W 680	
R4594	ERDS2TJ681	CARBON 1/4W 680	
R4601	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	

Ref.	Part No.	Part Name & Description	Remarks
No.			
R4602	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
	ERJ3GEYJ182V	MGF CHIP 1/16W 1.8K	
R4604	ERJ3GEYJ182V	MGF CHIP 1/16W 1.8K	
R4605	ERJ3GEYJ562V	MGF CHIP 1/16W 5.6K	
R4606	ERJ3GEYJ394V	MGF CHIP 1/16W 390K	
R4607	ERJ3GEYJ562V	MGF CHIP 1/16W 5.6K	
R4608	ERJ3GEYJ394V	MGF CHIP 1/16W 390K	
R4609	ERJ3GEYJ105V	MGF CHIP 1/16W 1M	
R4610	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R4611	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R4701	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R4703	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R4710	ERJ3GEYJ750V	MGF CHIP 1/16W 75	
R4903	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K	
R5301	ERJ3GEYJ152V	MGF CHIP 1/16W 1.5K	
R5302	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R5303	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
R5304	ERJ3GEYJ393V	MGF CHIP 1/16W 39K	
R5305	ERJ3GEYJ224V	MGF CHIP 1/16W 220K	
R5306	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	
R5308	ERJ3GEYJ393V	MGF CHIP 1/16W 39K	
R5309	ERJ3GEYJ184V	MGF CHIP 1/16W 180K	
R5311	ERJ3GEYJ331V	MGF CHIP 1/16W 330	
<b>—</b>			
		MGF CHIP 1/16W 330	
R5313	ERJ3GEYJ331V	MGF CHIP 1/16W 330	
R5314	ERJ3GEY0R00V	MGF CHIP 1/16W 0	<u> </u>
R5315	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5316	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
R5317	ERDS2TJ101	CARBON 1/4W 100	
R5327	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R5328	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R5329	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R5353	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5354	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5356	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5401	ERJ3GEYJ561V	MGF CHIP 1/16W 560	
R5402	ERJ3GEYJ394V	MGF CHIP 1/16W 390K	
R5403	ERJ3GEYJ221V	MGF CHIP 1/16W 220	
R5405	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	
R5406	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5501	ERJ3GEYJ471V	MGF CHIP 1/16W 470	
R5502	ERJ3GEYJ394V	MGF CHIP 1/16W 390K	
R5503	ERDS2TJ471	CARBON 1/4W 470	
R5504	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5505	ERJ6ENF3241V	MGF CHIP 1/10W 3.24K	Δ
R5506		MGF CHIP 1/16W 22K	
R5508	ERJ3GEYJ561V	MGF CHIP 1/16W 560	
R5510	ERDS2TJ101	CARBON 1/4W 100	
R5511	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R5512	ERDS2TJ151	CARBON 1/4W 150	
R5513	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5515	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R5604	ERJ3GEYJ332V	MGF CHIP 1/16W 2.7K	
R5651	ERJ3GEYJ331V	MGF CHIP 1/16W 330	
R5652	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R5653	ERJ3GEYJ682V	MGF CHIP 1/16W 6.8K	
R5655	ERJ3GEYJ821V	MGF CHIP 1/16W 820	
R5656	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	
R5657	ERJ3GEYJ333V	MGF CHIP 1/16W 33K	
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R5658	ERJ3GEYJ122V	MGF CHIP 1/16W 1.2K	
R5659	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R5660	ERJ3GEYJ821V	MGF CHIP 1/16W 820	
R5661	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5662	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R5664	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
R5665	ERJ3GEYJ562V	MGF CHIP 1/16W 5.6K	
R5666	ERJ3GEYJ392V	MGF CHIP 1/16W 3.9K	
R5673	ERJ3GEYJ392V	MGF CHIP 1/16W 3.9K	
R5674	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R5675	ERJ3GEYJ681V	MGF CHIP 1/16W 680	
R5676	ERJ3GEYJ272V	MGF CHIP 1/16W 2.7K	
R5680	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R5681	ERJ3GEYJ331V	MGF CHIP 1/16W 330	

Part No.	Part Name & Description	Remarks
ERJ3GEYJ101V	MGF CHIP 1/16W 100	
ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
ERJ3GEYJ101V	MGF CHIP 1/16W 100	
ERJ3GEYJ101V	MGF CHIP 1/16W 100	
ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
ERJ3GEY0R00V		
ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
ERJ3GEYJ471V	MGF CHIP 1/16W 470	
ERJ3GEYJ471V	MGF CHIP 1/16W 470	
ERJ3GEYJ471V	MGF CHIP 1/16W 470	
ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
	·	
ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
ERJ3GEYJ332V		
ERJ3GEYJ471V	MGF CHIP 1/16W 470	
ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	
ERJ3GEYJ561V		
	·	
	•	
ERJ3GEY0R00V		
ERJ3GEYJ102V		
ERJ3GEY0R00V	MGF CHIP 1/16W 0	
ERJ3GEY0R00V	MGF CHIP 1/16W 0	
ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
ERJ3GEYJ105V	MGF CHIP 1/16W 1M	
ERJ3GEYJ392V	MGF CHIP 1/16W 3.9K	
ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
ERJ3GEYJ682V		
	MGF CHIP 1/16W 0	
ED 120EV 1102V	MGF CHIP 1/16W 10K	1
ERJ3GEYJ103V		
ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	
	ERJ3GEYJ102V ERJ3GEYJ101V ERJ3GEYJ101V ERJ3GEYJ103V ERJ3GEYOR00V ERJ3GEYOR00V ERJ3GEYOR00V ERJ3GEYOR00V ERJ3GEYOR00V ERJ3GEYOR00V ERJ3GEYOR00V ERJ3GEYOR00V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ102V ERJ3GEYJ103V ERJ3GEYJ103V ERJ3GEYJ103V ERJ3GEYJ103V ERJ3GEYJ103V	ERJ3GEYJ102V MGF CHIP 1/16W 100 ERJ3GEYJ101V MGF CHIP 1/16W 100 ERJ3GEYJ101V MGF CHIP 1/16W 100 ERJ3GEYJ103V MGF CHIP 1/16W 100 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYOROOV MGF CHIP 1/16W 0 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ102V MGF CHIP 1/16W 10 ERJ3GEYJ

Ref.	Part No.	Part Name &	Description	Remarks
R6106	ERJ3GEYJ273V	MGF CHIP 1/16W	27K	
R6108	ERJ3GEYJ273V	MGF CHIP 1/16W	27K	
R6109	ERJ3GEYJ273V	MGF CHIP 1/16W	27K	
R6110	ERJ6GEYJ121V	MGF CHIP 1/10W	120	
R6111		MGF CHIP 1/16W		
R6112		MGF CHIP 1/16W		
R6113		MGF CHIP 1/16W		
R6114 R6115		MGF CHIP 1/10W MGF CHIP 1/16W		
R6117	ERDS2TJ560T	CARBON 1/4W 56	101	
R6118		MGF CHIP 1/16W	4.7M	
R6119		MGF CHIP 1/16W		
R6120	ERJ3GEYJ152V	MGF CHIP 1/16W	1.5K	
R6121	ERJ3GEYJ221V	MGF CHIP 1/16W	220	
R6122	ERJ3GEYJ221V	MGF CHIP 1/16W	220	
R6123		MGF CHIP 1/16W		
R6129		MGF CHIP 1/16W		
R6130	ERJ3GEYJ222V	MGF CHIP 1/16W		
R6175 R6201		MGF CHIP 1/16W		-
R6201		MGF CHIP 1/16W MGF CHIP 1/16W		-
R6203		MGF CHIP 1/16W		
R6204		MGF CHIP 1/16W		
R6205		MGF CHIP 1/16W		
R6206	ERJ3GEYJ221V	MGF CHIP 1/16W	220	
R6207	ERJ3GEYJ221V	MGF CHIP 1/16W	220	
R6208	ERJ6GEYJ1R2V	MGF CHIP 1/10W	1.2	
R6209	ERJ6GEYJ1R5V	MGF CHIP 1/10W	1.5	
R6210	ERJ3GEYJ101V	MGF CHIP 1/16W		
R6211		MGF CHIP 1/16W		
R6212 R6213	ERJ3GEYJ102V ERJ3GEYJ101V	MGF CHIP 1/16W MGF CHIP 1/16W		
R6214		MGF CHIP 1/16W		
R6301	ERJ3EKF2201V	MGF CHIP 1/16W		
R6302	ERJ3EKF3301V	MGF CHIP 1/16W	3.3K	
R6303	ERJ3EKF5601V	MGF CHIP 1/16W	5.6K	
R6304	ERJ3EKF1102V	MGF CHIP 1/16W	11K	
R6306	ERJ3EKF2201V	MGF CHIP 1/16W		
R6307		MGF CHIP 1/16W		
R6308		MGF CHIP 1/16W		
R6309 R6311	ERJ3EKF1102V ERJ3EKF2201V	MGF CHIP 1/16W MGF CHIP 1/16W		
R6312	ERJ3EKF3301V	MGF CHIP 1/16W		
R6316	ERJ3EKF1102V	MGF CHIP 1/16W		
R6317	ERJ3EKF1102V	MGF CHIP 1/16W		
R6318	ERJ3EKF1102V	MGF CHIP 1/16W	11K	
R6321	ERJ3GEYJ103V	MGF CHIP 1/16W	10K	
R6322	ERJ3GEYJ103V	MGF CHIP 1/16W		
R6323	ERJ3GEYJ103V	MGF CHIP 1/16W		
R6401	ERJ3GEYJ105V	MGF CHIP 1/16W		
R6511 R6512	ERJ3GEYJ472V ERJ3GEYJ472V	MGF CHIP 1/16W MGF CHIP 1/16W		
R6512	ERJ3GEYJ222V	MGF CHIP 1/16W		
R6514	ERJ3GEYJ472V	MGF CHIP 1/16W		
R6515	ERJ3GEYJ222V	MGF CHIP 1/16W		
R6516	ERJ3GEYJ101V	MGF CHIP 1/16W		
R6517	ERJ3GEYJ223V	MGF CHIP 1/16W	22K	
R6522	ERJ3GEY0R00V	MGF CHIP 1/16W	0	
R7001	ERJ3GEYJ102V	MGF CHIP 1/16W		
R7002	ERJ3GEYJ101V	MGF CHIP 1/16W		
R7003	ERJ3GEYJ101V	MGF CHIP 1/16W	-	+
R7033 R9501	ERJ3GEYJ102V ERJ3GEYJ750V	MGF CHIP 1/16W MGF CHIP 1/16W		
R9501	ERJ3GEY0R00V	MGF CHIP 1/16W		
R9503	ERJ3GEY0R00V	MGF CHIP 1/16W		
R9509	ERJ3GEYJ221V	MGF CHIP 1/16W		
R9510	ERJ3GEYJ221V	MGF CHIP 1/16W	220	
- <u></u>		CAPACITORS		<u>-</u>

CAPACITORS

Ref.	Part No.	Part Name & Description	Remarks
C801	F0CAF334A021	POLYESTER 125V 0.33UF	Δ
C803	F0CAF104A021	POLYESTER 125V 0.1UF	$\triangle$
C804	ECKATS102ME	CERAMIC 250V 1000PF	Δ

Ref.	Part No.	Part Name & Description	Remarks
No.	ECKETS102ME	CERAMIC 250V 1000PF	$\triangle$
	F1BAF102A059	CERAMIC 250V 1000FF	<u> </u>
	F1BAH1020011	CERAMIC 250V 1000FF	$\triangle$
	F1BAH1020011	CERAMIC 250V 1000FF	$\triangle$
	F1B2E1020004	CERAMIC 250V 1000FF	$\triangle$
C806	F1BAF472A082	CERAMIC 250V 1000FF	<u> </u>
C807	F1BAF472A082	CERAMIC 250V 4700FF  CERAMIC 250V 4700FF	
C808	F1BAF472A082	CERAMIC 250V 4700FF  CERAMIC 250V 4700FF	
C809	F1BAF472A082	CERAMIC 250V 4700PF	
C855	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C856	ECJ1VB1H471K	C CHIP 50V 470PF	
C857	F2B2D3310020		<u> </u>
C857	ECEC2DP561BB	ELECTROLYTIC 200V 560UF (D,E,F)	Δ
C858	F1B3D152A010	CERAMIC 2KV 1500PF	
C859	F1H1H221A009	C CHIP 50V 220PF	
C861	ECKATS152ME	CERAMIC 250V 1500PF	$\triangle$
	ECKETS152ME	CERAMIC 250V 1500PF	$\triangle$
C864	ECKE1S132ME ECKR3A102KBP	CERAMIC 250V 1500PF	
C865	F2A1E4710047	ELECTROLYTIC 25V 470UF	
C867	F2B2D3310020	ELECTROLYTIC 200V 330UF	$\triangle$
C868	F2B2D3310020 F2A1E4710047	ELECTROLITIC 25V 470UF	
C869	ECKN3A221KBP	CERAMIC 1KV 220PF	
C870	F2A2D4R70010	ELECTROLYTIC 200V 4.7UF	
C870	F2A2D4R70010 F2A2D8200003	ELECTROLYTIC 200V 4.70F ELECTROLYTIC 200V 82UF	$\triangle$
C1001	ECKATS332ME8	CERAMIC 250V 3300PF	<u> </u>
or	ECKATS332ME8 ECKETS332ME8	CERAMIC 250V 3300PF	$\triangle$
C1001			
or C1001	F1BAF3320029	CERAMIC 250V 3300PF	$\triangle$
C1001	ECA1HHG470I	ELECTROLYTIC 50V 47UF	
C1003	ECKATS102ME	CERAMIC 250V 1000PF	$\triangle$
C1005	F2A2D8200003	ELECTROLYTIC 200V 82UF	$\triangle$
C1006	ECJ1VB1H471K	C CHIP 50V 470PF	
C1007	F1B3D681A011	CERAMIC 2KV 680PF	
C1007	ECA1HHG010B	ELECTROLYTIC 50V 1UF	
C1008	F1J1H1040003	C CHIP 50V 0.1UF	
C1010	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C1011	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C1015	F1H1H102A219	C CHIP 50V 1000PF	
C1015	F1H1H103A220	C CHIP 50V 0.01UF	
C1017	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C1017	F1J1H101A411	C CHIP 50V 100PF	
C1018	F2A1E4710070	ELECTROLYTIC 25V 470UF	
C1020	F1J1C2240007	C CHIP 16V 0.22UF	
C1021	F2A1E3310040	ELECTROLYTIC 25V 330UF	
C1024	F2A1E3310040	ELECTROLITIC 25V 330UF	
C1025	EEUFF0J222E	ELECTROLYTIC 25V 3300F ELECTROLYTIC 6.3V 2200UF	
C1026	ECA1HHG470B	ELECTROLYTIC 5.3V 22000F ELECTROLYTIC 50V 47UF	
C1027	F2A1E3310040	ELECTROLYTIC 50V 470F ELECTROLYTIC 25V 330UF	
	F2A1E3310040		
C1029 C1030	F2A1E3310040	ELECTROLYTIC 25V 330UF ELECTROLYTIC 25V 330UF	
C1031	EEUFF0J222E	ELECTROLYTIC 5.3V 2200UF	
C1033	ECA1HHG470I	ELECTROLYTIC 5 3V 330UF	
C1034	F2A0J331A137	ELECTROLYTIC 6.3V 330UF	
C1035	F1H1A105A028	C CHIP 10V 1UF	
C1036	F1H1A105A028	C CHIP 10V 1UF	
C1037	F2A1E3310040	ELECTROLYTIC 25V 330UF	
C1038	EEUFF0J222E	ELECTROLYTIC 6.3V 2200UF	
C1040	F2A1E3310040	ELECTROLYTIC 25V 330UF	
C1203	ECA1HHG100I	ELECTROLYTIC 50V 10UF	
C1204	ECA1HHG470I	ELECTROLYTIC 50V 47UF	
C1210	F2A1C2200034	ELECTROLYTIC 16V 22UF	
C1212	ECEA0JEE101	ELECTROLYTIC 6.3V 100UF	
C1213	F2A1E3310040	ELECTROLYTIC 25V 330UF	
C1214	ECA1HHG470I	ELECTROLYTIC 50V 47UF	
C1218	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C1301	F1J1C474A091	C CHIP 16V 0.47UF	
C1302	F1H1A105A028	C CHIP 10V 1UF	
C1603	F2A1E4R70022	ELECTROLYTIC 25V 4.7UF	
G1 C07	F1H1H270A736	C CHIP 50V 27PF	
C1621	+	G GUITD 1 CU A 1	
C1621 C1622 C3001	F1H1C104A041 F2A1C1000035	C CHIP 16V 0.1UF ELECTROLYTIC 16V 10UF	

Ref.	Part No.	Part Name & Description	Remarks
No.			
C3002	F1H1C104A041	C CHIP 16V 0.1UF	
C3003	F1H1C104A041	C CHIP 16V 0.1UF	
C3004	F1H1H151A737	C CHIP 50V 150PF	
C3005	F1H1C104A041	C CHIP 16V 0.1UF	
C3006	F1H1C104A041	C CHIP 16V 0.1UF	
C3007	ECJ1VC1H330J	C CHIP 50V 33PF	
C3008	F2A1H4R70022	ELECTROLYTIC 50V 4.7UF	
C3009	F1H1A105A028	C CHIP 10V 1UF	
C3010	F1H1A105A028	C CHIP 10V 1UF	
C3011	F1H1A105A028	C CHIP 10V 1UF	
C3012	F1H1C104A041	C CHIP 16V 0.1UF	
C3013	F1H1A224A012	C CHIP 10V 0.22UF	
C3014	F2A0J4700014	ELECTROLYTIC 6.3V 47UF	
C3015	F1H1C104A041	C CHIP 16V 0.1UF	
C3016 C3017	F1H1A105A028 F1H1C104A041	C CHIP 10V 1UF	
C3017	F1H1C104A041	C CHIP 16V 0.1UF	
C3019 C3020	F1H1C104A041 F2A1H3R30014	C CHIP 16V 0.1UF ELECTROLYTIC 50V 3.3UF	
C3021	F1H1H103A219	C CHIP 50V 0.01UF	
C3021	F1H1H103A219 F1H1H103A220	C CHIP 50V 0.01UF	
C3022	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C3024	F1H1H3310001	C CHIP 50V 330PF	
C3024	F2A0J4700014	ELECTROLYTIC 6.3V 47UF	
C3025	F1H1H103A219	C CHIP 50V 0.01UF	
C3028	F1H1H103A219	C CHIP 50V 0.01UF	
C3029	F1H1H103A220	C CHIP 50V 0.01UF	
C3025	F1H1A105A028	C CHIP 10V 1UF	
C3031	F1H1H2R00008	C CHIP 50V 2PF	
C3032	F2A0J4700014	ELECTROLYTIC 6.3V 47UF	
C3033	F1H1A224A012	C CHIP 10V 0.22UF	
C3034	F1H1C104A041	C CHIP 16V 0.1UF	
C3035	F2A1H3R30014	ELECTROLYTIC 50V 3.3UF	
C3036	F2A1H2R20019	ELECTROLYTIC 50V 2.2UF	
C3037	F1H1H472A219	C CHIP 50V 4700PF	
C3038	ECJ1VB1E333K	C CHIP 25V 0.033UF	
C3039	F1H0J474A002	C CHIP 6.3V 0.47UF	
C3040	ECJ1VB1C223K	C CHIP 16V 0.022UF	
C3041	F2A1E4R70022	ELECTROLYTIC 25V 4.7UF	
C3048	F1H1C104A008	C CHIP 16V 0.1UF	
C3049	F1H1H103A219	C CHIP 50V 0.01UF	
C3050	F1H1H103A219	C CHIP 50V 0.01UF	
C3051	F1H1H103A219	C CHIP 50V 0.01UF	
C3052	F1H1H103A219	C CHIP 50V 0.01UF	
C3054		ELECTROLYTIC 6.3V 100UF	
C3055	F1H1C104A041	C CHIP 16V 0.1UF	
C3056	F1H1C104A041	C CHIP 16V 0.1UF	
C3057	F1H1C104A041	C CHIP 16V 0.1UF	
C3347	ECJ1VC1H330J	C CHIP 50V 33PF	
C4009	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C4010	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C4011	F1H1H152A219 ECJ1VC1H150J	C CHIP 50V 1500PF C CHIP 50V 15PF	
C4016 C4018	F2A0J2200012	ELECTROLYTIC 6.3V 22UF	
C4018	F2A032200012 F2A1H2R20019	ELECTROLYTIC 5.3V 22UF ELECTROLYTIC 50V 2.2UF	
C4042		ELECTROLYTIC 25V 4.7UF	
C4052	F1H1C104A008	C CHIP 16V 0.1UF	
C4053	F1H1C104A008	C CHIP 50V 1000PF	
C4054	F2A0J2210029	ELECTROLYTIC 6.3V 220UF	
C4061	F1H1H103A748	C CHIP 50V 0.01UF	
C4062	ECEA1CKA330I	ELECTROLYTIC 16V 33UF	
C4063	F2A1H3R30014	ELECTROLYTIC 50V 3.3UF	
C4064	ECJ1VB1H182K	C CHIP 50V 1800PF	
C4065	ECJ1VB1H182K	C CHIP 50V 1800PF	
C4082	ECJ1VB1H471K	C CHIP 50V 470PF	
C4102	ECQB1562JF3	POLYESTER 100V 5600PF	
C4103	F1H1H103A219	C CHIP 50V 0.01UF	
C4104	F1H1H103A219	C CHIP 50V 0.01UF	
C4106	F2A1C2200034	ELECTROLYTIC 16V 22UF	
C4201	F2A1E4R70022	ELECTROLYTIC 25V 4.7UF	
C4202	F2A1E4R70022	ELECTROLYTIC 25V 4.7UF	
C4203	F2A0J3300011	ELECTROLYTIC 6.3V 33UF	
C4204	F2A0J3300011	ELECTROLYTIC 6.3V 33UF	

Ref. Part No. Part Name & Description No.  C4205 F2AlC1000035 ELECTROLYTIC 16V 10UF  C4206 F2AlC1000035 ELECTROLYTIC 16V 10UF  C4207 F2AlC1000035 ELECTROLYTIC 16V 10UF  C4208 F2AlC1000035 ELECTROLYTIC 16V 10UF  C4209 F2AlC1000035 ELECTROLYTIC 16V 10UF  C4210 F2AlC1000035 ELECTROLYTIC 16V 10UF  C4211 F1H1H153A219 C CHIP 50V 0.015UF  C4212 F1H1H153A219 C CHIP 50V 0.015UF  C4213 F2AlC1000035 ELECTROLYTIC 16V 10UF  C4214 F2AlC1010047 ELECTROLYTIC 16V 10UF  C4215 F1H1H03A220 C CHIP 50V 0.01UF  C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF  C4218 F2AlC1000035 ELECTROLYTIC 16V 10UF  C4219 F2AlH1R00035 ELECTROLYTIC 50V 1UF  C4227 F1H1C2240004 C CHIP 16V 0.22UF	Remarks
C4206 F2A1C1000035 ELECTROLYTIC 16V 10UF C4207 F2A1C1000035 ELECTROLYTIC 16V 10UF C4208 F2A1C1000035 ELECTROLYTIC 16V 10UF C4209 F2A1C1000035 ELECTROLYTIC 16V 10UF C4210 F2A1C1000035 ELECTROLYTIC 16V 10UF C4211 F1H1H153A219 C CHIP 50V 0.015UF C4212 F1H1H153A219 C CHIP 50V 0.015UF C4213 F2A1C1000035 ELECTROLYTIC 16V 10UF C4214 F2A1C1010047 ELECTROLYTIC 16V 10UF C4215 F1H1H103A220 C CHIP 50V 0.01UF C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2A1C1000035 ELECTROLYTIC 16V 10UF C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4207 F2A1C1000035 ELECTROLYTIC 16V 10UF C4208 F2A1C1000035 ELECTROLYTIC 16V 10UF C4209 F2A1C1000035 ELECTROLYTIC 16V 10UF C4210 F2A1C1000035 ELECTROLYTIC 16V 10UF C4211 F1H1H153A219 C CHIP 50V 0.015UF C4212 F1H1H153A219 C CHIP 50V 0.015UF C4213 F2A1C1000035 ELECTROLYTIC 16V 10UF C4214 F2A1C1010047 ELECTROLYTIC 16V 10UF C4215 F1H1H103A220 C CHIP 50V 0.01UF C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2A1C1000035 ELECTROLYTIC 16V 10UF C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4208 F2AlC1000035 ELECTROLYTIC 16V 10UF C4209 F2AlC1000035 ELECTROLYTIC 16V 10UF C4210 F2AlC1000035 ELECTROLYTIC 16V 10UF C4211 F1H1H153A219 C CHIP 50V 0.015UF C4212 F1H1H153A219 C CHIP 50V 0.015UF C4213 F2AlC1000035 ELECTROLYTIC 16V 10UF C4214 F2AlC1010047 ELECTROLYTIC 16V 10UUF C4215 F1H1H103A220 C CHIP 50V 0.01UF C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2AlC1000035 ELECTROLYTIC 16V 10UF C4219 F2AlH1R00035 ELECTROLYTIC 50V 1UF	
C4209 F2A1C1000035 ELECTROLYTIC 16V 10UF C4210 F2A1C1000035 ELECTROLYTIC 16V 10UF C4211 F1H1H153A219 C CHIP 50V 0.015UF C4212 F1H1H153A219 C CHIP 50V 0.015UF C4213 F2A1C1000035 ELECTROLYTIC 16V 10UF C4214 F2A1C1010047 ELECTROLYTIC 16V 100UF C4215 F1H1H103A220 C CHIP 50V 0.01UF C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2A1C1000035 ELECTROLYTIC 16V 10UF C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4210 F2AlC1000035 ELECTROLYTIC 16V 10UF C4211 F1H1H153A219 C CHIP 50V 0.015UF C4212 F1H1H153A219 C CHIP 50V 0.015UF C4213 F2AlC1000035 ELECTROLYTIC 16V 10UF C4214 F2AlC1010047 ELECTROLYTIC 16V 100UF C4215 F1H1H103A220 C CHIP 50V 0.01UF C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2AlC1000035 ELECTROLYTIC 16V 10UF C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4211 F1H1H153A219 C CHIP 50V 0.015UF C4212 F1H1H153A219 C CHIP 50V 0.015UF C4213 F2A1C1000035 ELECTROLYTIC 16V 10UF C4214 F2A1C1010047 ELECTROLYTIC 16V 100UF C4215 F1H1H103A220 C CHIP 50V 0.01UF C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2A1C1000035 ELECTROLYTIC 16V 10UF C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4212 F1H1H153A219 C CHIP 50V 0.015UF C4213 F2A1C1000035 ELECTROLYTIC 16V 10UF C4214 F2A1C1010047 ELECTROLYTIC 16V 100UF C4215 F1H1H103A220 C CHIP 50V 0.01UF C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2A1C1000035 ELECTROLYTIC 16V 10UF C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4213 F2AlC1000035 ELECTROLYTIC 16V 10UF C4214 F2AlC1010047 ELECTROLYTIC 16V 100UF C4215 F1H1H103A220 C CHIP 50V 0.01UF C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2AlC1000035 ELECTROLYTIC 16V 10UF C4219 F2AlH1R00035 ELECTROLYTIC 50V 1UF	
C4214 F2AlC1010047 ELECTROLYTIC 16V 100UF C4215 F1H1H103A220 C CHIP 50V 0.01UF C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2AlC1000035 ELECTROLYTIC 16V 10UF C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4215 F1H1H103A220 C CHIP 50V 0.01UF C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2A1C1000035 ELECTROLYTIC 16V 10UF C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	_
C4217 F2A0J2200012 ELECTROLYTIC 6.3V 22UF C4218 F2A1C1000035 ELECTROLYTIC 16V 10UF C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4218 F2A1C1000035 ELECTROLYTIC 16V 10UF C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4219 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4227 F1H1C2240004 C CHIP 16V 0.22UF	
C4229 F1H1H103A220 C CHIP 50V 0.01UF	
C4230 F2A0J4700014 ELECTROLYTIC 6.3V 47UF	
C4239 F2A1C1000035 ELECTROLYTIC 16V 10UF	
C4240 F2A1C1000035 ELECTROLYTIC 16V 10UF	
C4241 ECJ1VC1H560J C CHIP 50V 56PF	
C4242 ECJ1VC1H560J C CHIP 50V 56PF	
C4401 F1H1H103A748 C CHIP 50V 0.01UF	
C4402 F1H1H103A748 C CHIP 50V 0.01UF	
C4455 ECJ1VB1E104K C CHIP 25V 0.1UF	
C4456 ECJ1VB1E104K C CHIP 25V 0.1UF	
C4458 F1H1H103A220 C CHIP 50V 0.01UF	
C4459 F2A0J1010041 ELECTROLYTIC 6.3V 100UF	
C4501 F2A1C2200034 ELECTROLYTIC 16V 22UF	
C4502 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4503 F1H1H122A219 C CHIP 50V 1200PU	
C4504 F1H1H122A219 C CHIP 50V 1200PU	1
C4505 F2A1H1R00035 ELECTROLYTIC 50V 1UF	
C4506 F2A1H4R70022 ELECTROLYTIC 50V 4.7UF	
C4507 F2A1E4710047 ELECTROLYTIC 25V 470UF	1
C4508 F2A1E4710047 ELECTROLYTIC 25V 470UF	1
C4509 F2A1C101A534 ELECTROLYTIC 16V 100UF	1
C4510 F2A1E4710047 ELECTROLYTIC 25V 470UF	1
C4601 F1H1C104A041 C CHIP 16V 0.1UF	+
C4602 F1H1H103A748 C CHIP 50V 0.01UF	1
C4603 F1H1C104A041 C CHIP 16V 0.1UF	+
C4604 F1H1H103A748 C CHIP 50V 0.01UF	1
C4605 F1H1C104A041 C CHIP 16V 0.1UF	+
C4607 F1H1C104A041 C CHIP 16V 0.1UF	+
C4608 F2A1H4R70022 ELECTROLYTIC 50V 4.7UF	+
C4610 F2A1H4R70022 ELECTROLITIC 50V 4.70F	+
C4610 F2A1H4R70022 ELECTROLYTIC 50V 4.70F	+
C4612 FZAIH4R/0022 ELECTROLYTIC 50V 4.70F	+
<del>                                     </del>	+
<del>                                     </del>	+
	+
C4619 ECJ2YB1C334K C CHIP 16V 0.33UF	+
C4621 F2A1H1R00035 ELECTROLYTIC 50V 1UF	+
C4622 F2A1H1R00035 ELECTROLYTIC 50V 1UF	+
C4623 F2A1H1R00035 ELECTROLYTIC 50V 1UF	+
C4624 F2A1H1R00035 ELECTROLYTIC 50V 1UF	+
C4627 ECJ1VC1H560J C CHIP 50V 56PF	+
C4628 ECJ1VC1H560J C CHIP 50V 56PF	+
C4629 F2A1C1020041 ELECTROLYTIC 16V 1000UF	+
C4901 F2A1H1R00035 ELECTROLYTIC 50V 1UF	+
C4902 F2A1H2R20019 ELECTROLYTIC 50V 2.2UF	+
C4903 F2A1H3R30014 ELECTROLYTIC 50V 3.3UF	+
C4904 F2A1H3R30014 ELECTROLYTIC 50V 3.3UF	+
C4905 F2A1C1000035 ELECTROLYTIC 16V 10UF	-
C4906 F2A1H1R00035 ELECTROLYTIC 50V 1UF	+
C4911 F1H1E223A029 C CHIP 25V 0.022UF	+
C4912 ECJ1VB1E104K C CHIP 25V 0.1UF	+
C4913 F1H1H103A748 C CHIP 50V 0.01UF	4
C4914 F1H1C2240004 C CHIP 16V 0.22UF	+
C4915 F2A0J1010041 ELECTROLYTIC 6.3V 100UF	+
C4916 F1H1H103A220 C CHIP 50V 0.01UF	+
C4917 ECJ1VB1E104K C CHIP 25V 0.1UF	+
C4918 ECJ1VB1E104K C CHIP 25V 0.1UF	+
C4919 ECJ1VB1E104K C CHIP 25V 0.1UF	+
C4920 F1H1E223A029 C CHIP 25V 0.022UF	1

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Ref.	Part No.	Part Name & Description	Remarks
No.			
C5301	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C5302	F2A1E4R70022	ELECTROLYTIC 25V 4.7UF	
C5303	F2A1HR470012	ELECTROLYTIC 50V 0.47UF	
C5305	F2A1HR470012	ELECTROLYTIC 50V 0.47UF	
C5306	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C5307	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C5307	F2A1C1000035	ELECTROLYTIC 16V 10UF	
	ł		
C5353	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C5354	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C5356	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C5358	ECJ1VC1H220J	C CHIP 50V 22PF	
C5401	F1J1C2240007	C CHIP 16V 0.22UF	
C5402	F1H1H222A219	C CHIP 50V 2200PF	
C5403	F2A1H2R20019	ELECTROLYTIC 50V 2.2UF	
C5501	F1H1E183A029	C CHIP 25V 0.018UF	
C5502	ECJ1VB1H681K	C CHIP 50V 680PF	
C5505	F2A1C2210040	ELECTROLYTIC 16V 220UF	
C5506	F1H1H103A220	C CHIP 50V 0.01UF	
C5507	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C5508	F1J1H221A501	C CHIP 50V 220PF	
C5510	F2A1H1R00035	ELECTROLYTIC 50V 1UF	
C5511	ECJ1VB1E333K	C CHIP 25V 0.033UF	1
C5516	ECJ1VB1E333K	C CHIP 25V 0.033UF	
C5601	F1H1H103A220		+
		C CHIP 50V 0.01UF	1
	ECJ1VB1E104K	C CHIP 25V 0.1UF	1
C5603	ECJ1VC1H150J	C CHIP 50V 15PF	1
C5604	F2A1H1R00035	ELECTROLYTIC 50V 1UF	
C5605	F1H1E153A029	C CHIP 25V 0.015UF	
C5654	F2A1H1R00035	ELECTROLYTIC 50V 1UF	
C5656	F2A0J4700014	ELECTROLYTIC 6.3V 47UF	
C5657	F1H1E104A030	C CHIP 25V 0.1UF	
C5658	F1H1H103A220	C CHIP 50V 0.01UF	
C5659	F1H1H103A220	C CHIP 50V 0.01UF	
C5660	F1H1H103A220	C CHIP 50V 0.01UF	
C5661	F1H1H104A731	C CHIP 50V 0.01UF	
C5662	F2A0J4700014	ELECTROLYTIC 6.3V 47UF	
C5664	F1H1H103A220	C CHIP 50V 0.01UF	
C5665	F1H1H103A220	C CHIP 50V 0.01UF	
C5668	F1H1H103A220	C CHIP 50V 0.01UF	
C5669	F1H1H181A230	C CHIP 50V 180PF	
C5670	F1H1H103A220	C CHIP 50V 0.01UF	
C5671	F1H1H103A220	C CHIP 50V 0.01UF	
C5672	F1H1H103A220	C CHIP 50V 0.01UF	
C5673	ECJ1VC1H180J	C CHIP 50V 18PF	
C5674	ECJ1VC1H390J	C CHIP 50V 39PF	
C5677	F1H1E104A030	C CHIP 25V 0.1UF	
C5678	F2A1C2200034	ELECTROLYTIC 16V 22UF	
C5681	F1H1H103A220	C CHIP 50V 0.01UF	
	F1H1H103A220		+
C5685	•	C CHIP 50V 0.01UF	-
C5686	F1H1H103A220	C CHIP 50V 0.01UF	-
C5687	ECJ1VC1H220J	C CHIP 50V 22PF	
C5688	F1H1H103A220	C CHIP 50V 0.01UF	
C5689	F1H1H103A220	C CHIP 50V 0.01UF	
C5690	F2A1C4700035	ELECTROLYTIC 16V 47UF	
C5902	F2A1C4700035	ELECTROLYTIC 16V 47UF	
C5903	F2A1C4700035	ELECTROLYTIC 16V 47UF	1
C5904	F1H1C104A041	C CHIP 16V 0.1UF	1
C5905	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	+
C5906	F1H1H103A220	C CHIP 50V 0.01UF	
C5907	F1H1H104A731	C CHIP 50V 0.01UF	
C5908	F2A1C1010047	ELECTROLYTIC 16V 100UF	
C5932	F1H1H103A220	C CHIP 50V 0.01UF	
C5933	ECJ1VC1H560J	C CHIP 50V 56PF	
C5934	ECJ1VC1H560J	C CHIP 50V 56PF	
C6001	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
		C CHIP 50V 22PF	<del> </del>
C6002	ECJ1VC1H220J		1
C6003	ECJ1VC1H180J	C CHIP 50V 18PF	1
C6005	F1H1H103A220	C CHIP 50V 0.01UF	
C6006	F1J1E1040007	C CHIP 25V 0.1UF	
C6007	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	
C6008	F2A0J4700014	ELECTROLYTIC 6.3V 47UF	<u> </u>
C6010	F1H1E104A030	C CHIP 25V 0.1UF	
C6016	F1H1H103A220	C CHIP 50V 0.01UF	1
L		1	1

Dof	Damb Na	Doub Name & Demonstration	D
Ref. No.	Part No.	Part Name & Description	Remarks
C6019	ECJ1VC1H330J	C CHIP 50V 33PF	
C6020	F2A1H1R00035	ELECTROLYTIC 50V 1UF	
C6021	F2A0J2200012	ELECTROLYTIC 6.3V 22UF	
C6022	F2A1C1000035	ELECTROLYTIC 16V 10UF	
C6023	F1H1H272A219	C CHIP 50V 2700PF	
C6024	F1H1H1230001	C CHIP 50V 0.012UF	
C6025	ECJ1VB1E104K	C CHIP 25V 0.1UF	
C6026	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	
C6030	F1H1H104A731	C CHIP 50V 0.01UF	
C6032	ECJ1VC1H101J	C CHIP 50V 100PF	
C6036	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	
C6037	F1H1H104A731	C CHIP 50V 0.01UF	
C6041	ECJ1VB1H681K	C CHIP 50V 680PF	
C6101	F1H1H104A731	C CHIP 50V 0.01UF	
C6102	F1H1H104A731	C CHIP 50V 0.01UF	
C6201	F1H1C563A071	C CHIP 16V 0.056UF	
C6202	F1H1C563A071	C CHIP 16V 0.056UF	
C6203	F1H1H562A219	C CHIP 50V 5600PF	
C6204	F1H1H562A219	C CHIP 50V 5600PF	
C6205	F1H1H103A748	C CHIP 50V 0.01UF	
C6206	F1H1C104A041	C CHIP 16V 0.1UF	
C6207	F1J1C2240007	C CHIP 16V 0.22UF	
C6208	F1J1H223A623	C CHIP 50V 0.22UF	
C6209	F1J1H223A623	C CHIP 50V 0.22UF	
C6210	F1H1H103A748	C CHIP 50V 0.01UF	
C6211	F1H1H103A748	C CHIP 50V 1000PF	
C6212	F1H1H102A219	C CHIP 50V 1000PF	
C6212		ELECTROLYTIC 50V 1UF	
C6214	F2A1H1R00035 ECJ1VB1H182K	C CHIP 50V 1800PF	
C6215 C6216	F1H1H104A731 F2A0J2210029	C CHIP 50V 0.01UF	
		ELECTROLYTIC 6.3V 220UF	
C6217	F2A1C4700035	ELECTROLYTIC 16V 47UF	
C6218	F1H1C104A041	C CHIP 16V 0.1UF	
	F1H1C104A041	C CHIP 16V 0.1UF	
C6220	F1H1C104A041	C CHIP 16V 0.1UF	
C6221	F2A1E2210041	ELECTROLYTIC 25V 220UF	
C6222	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	
C6227	F1J1C105A083	C CHIP 16V 1UF	
C6401	F1H1H104A731	C CHIP 50V 0.01UF	
C6402	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	
C6403	F1J1H102A623	C CHIP 50V 1000PF	
C6404	ECJ1VB1E333K	C CHIP 25V 0.033UF	
C6405	F1J1H102A623	C CHIP 50V 1000PF	
C6406		C CHIP 50V 560PF	
C6407	F1H1C104A041	C CHIP 16V 0.1UF	
C6408	F1H1H820A736	C CHIP 50V 82PF	
C6409	ECJ1VC1H101J	C CHIP 50V 100PF	
C7001	F2A0J1020034	ELECTROLYTIC 6.3V 1000UF	
C7002	F1H1H103A748	C CHIP 50V 0.01UF	
C7003	F1H1H100A735	C CHIP 50V 10PF	
C7008	F1H1H100A735	C CHIP 50V 10PF	
C7011	F1H1H103A748	C CHIP 50V 0.01UF	
C7021	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
C7040	F1H1H560A230	C CHIP 50V 56PF	
			1

#### **FILTERS**

Ref. No.	Part No.	Part Name & Description	Remarks
FL5651	F1Y2A1030005	L/C COMPLX CMP	

COILS Ref. Part No. Part Name & Description Remarks No. G0B452H00001 LINE FILTER 2.5A 4.5MH L801 ⚠ or L801 ELF21V025A LINE FILTER 2.5A 4.5MH ⚠ or L801 G0B452H00002 LINE FILTER 2.5A 4.5MH Δ L802 G0B452H00001 LINE FILTER 2.5A 4.5MH ⚠ or L802 ELF21V025A LINE FILTER 2.5A 4.5MH ⚠ or L802 G0B452H00002 LINE FILTER 2.5A 4.5MH Δ L850 J0JKA0000016 FERRITE BEAD WITH LEAD L855 G0A100HA0023 COIL 10UH G0A220GA0026 COIL 22UH L856 L857 J0JHB0000021 EMI FILTER CHIP L1001 G0B183E00002 LINE FILTER 0.5A 18MH Δ

	. –	V-DF2035 / PV-DF275 / PV-DF2735 / PV-DF	
Ref. No.	Part No.	Part Name & Description	Remarks
or L1001	ELF15N005A	LINE FILTER 0.5A 18MH	$\triangle$
or L1001	G0B183D00008	LINE FILTER 0.5A 18MH	$\triangle$
L1003	G0A220GA0026	COIL 22UH	
L1004	G0A220GA0026	COIL 22UH	
L1005	G0A220GA0026	COIL 22UH	
L1006	G0A220GA0026	COIL 22UH	
L1007	G0A100HA0023	COIL 10UH	
L1009	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
L1010	G0A220GA0026	COIL 22UH	
L1601	J0JCC0000004	EMI FILTER CHIP	
L1602	J0JCC0000004	EMI FILTER CHIP	
L1621	G0C220K00008	COIL 22UH	
L3001	G0C271JA0019	COIL 270UH	
L3002	G0C150KA0045	COIL 15UH	
L3003	G0C680KA0045	COIL 68UH	
L3004	G1C120JA0036	COIL CHIP 12UH	
L3005	G0C330KA0045	COIL 33UH	
L3008	G0C560KA0045	COIL 56UH	
L3011	ERJ3GEY0R00V	MGF CHIP 1/16W 0	
L4003	G0C270KA0045	COIL 27UH ( A,B,C )	
L4003	G0C150KA0045	COIL 15UH ( D,E,F )	
L4101	G0C471JA0021	COIL 470UH	
L4201	G0C101KA0030	COIL 100UH	
L4451	G0C101KA0030	COIL 100UH	
L4501	J0JBC0000014	BEAD INDUCTOR CHIP	
L4502	J0JBC0000014	BEAD INDUCTOR CHIP	
L4503	J0JBC0000014	BEAD INDUCTOR CHIP	
L4504	J0JBC0000014	BEAD INDUCTOR CHIP	
L4601	G0C101KA0030	COIL 100UH	
L4901	G0C101KA0030	COIL 100UH	
L4902	G0C101KA0030	COIL 100UH	
L5652	G0C150JA0019	COIL 15UH	
L5653	G0C101KA0030	COIL 100UH	
L5654	G0C270JA0019	COIL 27UH	
L5655	G0C101KA0030	COIL 100UH	
L5658	G0C101JA0019	COIL 100UH	
L5659	G0C101KA0030	COIL 100UH	
L5661	G0C101KA0030	COIL 100UH	
L5901	G0C101KA0030	COIL 100UH	
L6401	G0C101KA0045	COIL 100UH	
L6402	G0C4R7JA0019	COIL 4.7UH	
L6403	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
L6404	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
L6405	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
L6406	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
L7001	G0C100JA0071	COIL 10UH	
L7002	G0C101KA0045	COIL 100UH	

## CRYSTAL OSCILLATOR

Ref. No.	Part No.	Part Name & Description	Remarks
X3001	H0D357400068	CRYSTAL OSCILLATOR	
X5501	H2A503300012	CRYSTAL OSCILLATOR	
X5601	нов357400003	CRYSTAL OSCILLATOR	
X6001	H0A120500003	CRYSTAL OSCILLATOR	

#### PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P801	K1KA02A00593	CONNECTOR 2P	
P851	VEKS9479	CONNECTOR CABLE W/PLUG	
P1006	K1MR11A00017	CONNECTOR 11P	
P3501	K1MN09A00029	CONNECTOR 9P	
P3502	LSEK0540	GROUNDING WIRE	
P3503	LSEK0540	GROUNDING WIRE	
P4001	K1MZ02A00003	FE CONNECTOR 2P	
P4002	K1MN06A00030	CONNECTOR 6P	
P4501	K1KA02A00375	CONNECTOR 2P	
P4502	K1KA02A00375	CONNECTOR 2P	
P4801	K1MN16A00070	CONNECTOR 16P	
P5302	K1MP04A00006	CONNECTOR 4P	
P5501	K1MN13A00049	CONNECTOR 13P	
P6001	K1KA05A00268	CONNECTOR 5P	

Ref. No.	Part No.	Part Name & Description	Remarks
P6201	K1KA08A00290	CONNECTOR 8P	
P6202	K1MN07A00017	CONNECTOR 7P	
P6203	K1KA02A00375	CONNECTOR 2P	

**SWITCHES** 

Ref. No.	Part No.	Part Name & Description	Remarks
SW6001	K0C111A00006	SWITCH	
SW6002	K0ZZ00000598	SWITCH	
SW6301	EVQ21405R	SWITCH PUSH	
SW6302	EVQ21405R	SWITCH PUSH	
SW6303	EVQ21405R	SWITCH PUSH	
SW6304	EVQ21405R	SWITCH PUSH	
SW6307	EVQ21405R	SWITCH PUSH	
SW6308	EVQ21405R	SWITCH PUSH	
SW6309	EVQ21405R	SWITCH PUSH	
SW6310	EVQ21405R	SWITCH PUSH	
SW6313	EVQ21405R	SWITCH PUSH	
SW6314	EVQ21405R	SWITCH PUSH	

**FUSE & PROTECTOR** 

Ref.	Part No.	Part Name & Description	Remarks
No.			
F801	K5D632AQ0002	FUSE 125V 6.3A	$\triangle$
or F801	K5D632ADA001	FUSE 125V 6.3A	$\triangle$
PR850	D4FA7R00A002	IC PROTECTOR 7A	$\triangle$
PR1001	D4FA7R00A002	IC PROTECTOR 7A	$\triangle$
PR1002	UNH000600A	IC PROTECTOR 2.5A	$\triangle$
or	D4FA2R50A002	IC PROTECTOR 2.5A	$\triangle$
PR1002			

RELAY

Ref.	Part No.	Part Name & Description	Remarks
RL591	K6B1AGA00177	RELAY	$\triangle$
or RL591	K6B1AGA00037	RELAY	$\triangle$
or RL591	K6B1AGA00042	RELAY	Δ
RL801	K6B1AGA00177	RELAY	$\triangle$
or RL801	K6B1AGA00037	RELAY	$\triangle$
or RL801	K6B1AGA00042	RELAY	$\Phi$

TRANSFORMER

Ref. No.	Part No.	Part Name & Description	Remarks
T850	ETS35AA6S5ND	TRANSFORMER	$\triangle$
T1001	LSTP0129	TRANSFORMER SWITCHING	Δ
T4101	G2A342C00004	TRANSFORMER	

**JACKS** 

Ref.	Part No.	Part Name & Description	Remarks
JK1601	B3RAE0000030	IC, JACK OPTICAL OUTPUT	
JK4591	K2HC103B0047	EARPHONE JACK SOCKET	
JK4702	K2HA306B0094	FRONT AUDIO/VIDEO JACK SOCKET	
JK9501	K2HA203B0014	AUDIO JACK SOCKET	
JK9502	K2HA305B0004	AUDIO/VIDEO JACK SOCKET	

MISCELLANEOUS

Ref.	Part No.	Part Name & Description	Remarks
483	XYN3+F10FJ	SCREW W/WASHER, STEEL	
487	XYN3+J8FJ	SCREW W/WASHER, STEEL	
743	J3AAABB00002	TUNER, UHF/VHF NR	
771	EYF52BCY	FUSE HOLDER	
797	LSSC0529	HEAT SINK ( A,B,C )	
797	LSSC0562	HEAT SINK ( D,E,F )	
799	LSSC0793	HEAT SINK	

#### 12.3.2. OPERATION C.B.A.

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D6303	B3ABA0000400	LIGHT EMITTING DIODE GREEN	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R6305	ERJ3EKF3302V	MGF CHIP 1/16W 33K	
R6313	ERJ3EKF5601V	MGF CHIP 1/16W 5.6K	

**CAPACITORS** 

Ref. No.	Part No.	Part Name & Description	Remarks
C6302	F1H1H104A731	C CHIP 50V 0.01UF	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P6302	LSJWD7S040AA	CONNECTOR CABLE W/OUT PLUG	

**SWITCHES** 

Ref. No.	Part No.	Part Name & Description	Remarks
SW6305	EVQ21405R	SWITCH PUSH	
SW6306	EVQ21405R	SWITCH PUSH	
SW6311	EVQ21405R	SWITCH PUSH	
SW6315	EVQ21405R	SWITCH PUSH	
SW6316	EVQ21405R	SWITCH PUSH	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
711	PNA4611M00HC	INFRARED RECEIVER UNIT	

#### 12.3.3. DEFLECTION C.B.A.

#### **COMPARISON CHART OF MODELS & MARKS**

MODEL	MARK
PV-DF2035	А
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	Е
PV-DF275	F

INTEGRATED CIRCUITS

Ref.	Part No.	Part Name & Description	Remarks
No.			
IC451	C1AA00000709	IC, LINEAR	
IC752	C0ABAA000005	IC, LINEAR ( D,E,F )	

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q431	2SA1309AHA	TRANSISTOR SI PNP CHIP	
or Q431	B1ACCF000047	TRANSISTOR SI PNP CHIP	
Q501	B1AACN000015	TRANSISTOR SI NPN ( A,B,C )	
Q501	2SC3941H	TRANSISTOR SI NPN ( D,E,F )	
Q523	2SA17670QA	TRANSISTOR SI PNP CHIP	
Q551	B1BAFT000005	TRANSISTOR SI NPN ( A,B,C )	$\triangle$
Q551	B1BAES000002	TRANSISTOR SI NPN ( D,E,F )	$\triangle$
Q571	2SD1819A0L	TRANSISTOR SI NPN CHIP	
or Q571	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q751	2SD14990P0LB	TRANSISTOR SI NPN ( D,E,F )	
Q753	2SA1309AHA	TRANSISTOR SI PNP CHIP (D,E,F)	
or Q753	B1ACCF000047	TRANSISTOR SI PNP CHIP (D,E,F)	
Q754	2SC3311A0A	TRANSISTOR SI NPN ( D,E,F )	

R	Ref.	Part No.	Part Name & Description	Remarks
1	No.			
or	Q754	B1AACF000092	TRANSISTOR SI NPN ( D,E,F )	
or	Q754	B1AACF000095	TRANSISTOR SI NPN ( D,E,F )	

Ref. No.	Part No.	Part Name & Description	Remarks
D401	B0AAML000001	DIODE SI	
or D401	B0EAKL000008	DIODE SI	
D402	MA2C165001VT	DIODE SI	
or D402	B0AACK000004	DIODE SI	
D503	B0HAGP000014	DIODE SI	
D504	MAZ40470MF	DIODE ZENER 4.7V	
or D504	B0BA4R600003	DIODE ZENER 4.7V	
D505	MA2C165001VT	DIODE SI	
or D505	B0AACK000004	DIODE SI	
D506	MAZ42700MF	DIODE ZENER 27V ( D,E,F )	
D553	B0HAGP000014	DIODE SI	
D554	MA2C16700E	DIODE SI	
or D554	B0AAEL000001	DIODE SI	
D555	MAZ40680MF	DIODE ZENER 6.8V	
or D555	B0BA6R600008	DIODE ZENER 6.8V	
D558	B0HAGP000014	DIODE SI	
D571	B0HANV000017	DIODE SI ( D,E,F )	
or D571	B0HAMV000028	DIODE SI ( D,E,F )	
D572	B0HAMR000076	DIODE SI ( D,E,F )	
or D572	B0HAMR000060	DIODE SI ( D,E,F )	
or D572	B0HAMR000063	DIODE SI ( D,E,F )	
D704	MA2C029TAF	DIODE SI ( D,E,F )	
D752	MA2C165001VT	DIODE SI ( D,E,F )	
or D752	B0AACK000004	DIODE SI ( D,E,F )	

#### RESISTORS

		RESISTORS	
Ref. No.	Part No.	Part Name & Description	Remarks
R401	ERJ3GEYJ471V	MGF CHIP 1/16W 470 ( A,B,C )	
R401	ERJ3GEYJ122V	MGF CHIP 1/16W 1.2K ( D,E,F )	
R402	ERDS2TJ223	CARBON 1/4W 22K ( A,B,C )	
R402	ERDS2TJ183T	CARBON 1/4W 18K ( D,E,F )	
R405	ERG1SJ331P	METAL OXIDE 1W 330	
R409	ERJ6GEYJ273V	MGF CHIP 1/10W 27K ( A,B,C )	
R409	ERJ6GEYJ223V	MGF CHIP 1/10W 22K ( D,E,F )	
R410	ERDS2TJ392	CARBON 1/4W 3.9K ( A,B,C )	
R410	ERDS2TJ223	CARBON 1/4W 22K ( D,E,F )	
R411	ERJ3GEYJ823V	MGF CHIP 1/16W 82K ( A,B,C )	
R411	ERJ3GEYJ223V	MGF CHIP 1/16W 22K ( D,E,F )	
R413	ERJ3GEYJ273V	MGF CHIP 1/16W 27K	
R414	ERDS1FJ1R2P	CARBON 1/2W 1.2 ( A,B,C )	Δ
R414	ERDS1FJ1R8P	CARBON 1/2W 1.8 ( D,E,F )	Δ
R415	ERDS1FJ1R8P	CARBON 1/2W 1.8 ( D,E,F )	Δ
R416	ERDS2TJ101	CARBON 1/4W 100 ( D,E,F )	
R422	ERDS2TJ331	CARBON 1/4W 330	
R427	ERDS1FJ1R5P	CARBON 1/2W 1.5	Δ
R431	ERDS2TJ821	CARBON 1/4W 820	
R432	ERJ3GEYJ513V	MGF CHIP 1/16W 51K ( A,B,C )	
R432	ERJ3GEYJ333V	MGF CHIP 1/16W 33K ( D,E,F )	
R434	ERDS2TJ472	CARBON 1/4W 4.7K	
R435	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R436	ERJ3GEYJ104V	MGF CHIP 1/16W 100K	
R466	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	
R468	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	
R471	ERDS1FJ152P	CARBON 1/2W 1.5K	$\triangle$
R501	ERDS2TJ471	CARBON 1/4W 470	
R502	ERDS2TJ561	CARBON 1/4W 560	
R503	EROS2THF8661	PRECISION METAL FILM 1/4W 8.66K	Δ
R508	ERDS1FJ1R0P	CARBON 1/2W 1	Δ
R509		MGF CHIP 1/16W 100	
R511	ERG2SJ222H	METAL OXIDE 2W 2.2K ( A,B,C )	
R511	ERG2SJ272H	METAL OXIDE 2W 2.7K ( D,E,F )	
R512	ERDS2TJ122	CARBON 1/4W 1.2K ( A,B,C )	
R513	ERDS2TJ472	CARBON 1/4W 4.7K	
R515	ERDS2TJ122	CARBON 1/4W 1.2K ( D,E,F )	
R516	D0C5222JA007	MGF CHIP 1/10W 2.2K ( A,B,C )	
R516		MGF CHIP 1/10W 1.5K ( D,E,F )	
		· · · · · · · · · · · · · · · · · · ·	

	1 7 51 200 71		
Ref. No.	Part No.	Part Name & Description	Remarks
R519	ERDS2TJ123	CARBON 1/4W 12K	
R523	ERDS2TJ563T	CARBON 1/4W 56K ( D,E,F )	
R524	ERDS2TJ103	CARBON 1/4W 10K	
R525	ERDS2TJ124	CARBON 1/4W 120K	Δ
R526	ERX2SJR75H	METAL OXIDE 2W 0.75	Δ
R552	ERDS2TJ472	CARBON 1/4W 4.7K	
R553	ERDS2TJ102	CARBON 1/4W 1K	
R554	ERG2SJ102H	METAL OXIDE 2W 1K ( D,E,F )	
R555	ERDS2TJ473	CARBON 1/4W 47K ( A,B,C )	
R555	ERDS2TJ273	CARBON 1/4W 27K ( D,E,F )	
R556	ERDS2TJ473	CARBON 1/4W 47K	
R557	ERG2SJ102H	METAL OXIDE 2W 1K ( A,B,C )	
R558	ERDS2TJ333T	CARBON 1/4W 33K ( A,B,C )	
R558	ERDS2TJ273	CARBON 1/4W 27K ( D,E,F )	
R561	ERQ1CJP2R7S	FUSE 1W 2.7 ( A,B,C )	$\triangle$
R561	ERQ1CJP2R2S	FUSE 1W 2.2 ( D,E,F )	$\triangle$
R562	ERF5ZK3R9	w FLMPRF 5w 3.9 ( A,B,C )	
R571	ERJ3GEYJ101V	MGF CHIP 1/16W 100	
R572	ERDS2TJ561	CARBON 1/4W 560	
R573	ERDS2TJ101	CARBON 1/4W 100	
R574	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	
R585	ERDS2TJ683	CARBON 1/4W 68K ( D,E,F )	
R586	ERDS2TJ562	CARBON 1/4W 5.6K	
R590	ERDS2TJ562	CARBON 1/4W 5.6K	
R701	ERQ1ABJP560S	FUSE 1W 560 ( D,E,F )	Δ
R710	ERQ1CJP2R2S	FUSE 1W 2.2 ( D,E,F )	Δ
R713	ERDS2TJ471	CARBON 1/4W 470 ( D,E,F )	
R714	ERDS2TJ272	CARBON 1/4W 4/0 ( D,E,F )	
R752			
		MGF CHIP 1/16W 180 ( D,E,F )	
R753	EVMEGSA00B14	VARIABLE 10K ( D,E,F )	
R755	ERDS2TJ101	CARBON 1/4W 100 ( D,E,F )	
R756	ERDS2TJ152	CARBON 1/4W 1.5K ( D,E,F )	
R757	ERJ3GEYJ752V	MGF CHIP 1/16W 75K ( D,E,F )	
R758	ERJ3GEYJ823V	MGF CHIP 1/16W 82K ( D,E,F )	
R759	ERJ3GEYJ683V	MGF CHIP 1/16W 68K ( D,E,F )	
R760	ERJ3GEYJ474V	MGF CHIP 1/16W 470K ( D,E,F )	
R761	ERJ3GEYJ103V	MGF CHIP 1/16W 10K ( D,E,F )	
R762	ERJ3GEYJ123V	MGF CHIP 1/16W 12K ( D,E,F )	
R763	EVMEGSA00B14	VARIABLE 10K ( D,E,F )	
R764	ERJ3GEYJ682V	MGF CHIP 1/16W 6.8K ( D,E,F )	
R765	ERJ3GEYJ182V	MGF CHIP 1/16W 1.8K ( D,E,F )	
R766	EVMEGSA00B14	VARIABLE 10K ( D,E,F )	
R767	ERJ3GEYJ123V	MGF CHIP 1/16W 12K ( D,E,F )	
R768	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K ( D,E,F )	
R769	ERJ3GEYJ102V	MGF CHIP 1/16W 1K ( D,E,F )	
R771	ERJ3GEYJ512V	MGF CHIP 1/16W 5.1K ( D,E,F )	
R772	ERJ3GEYJ152V	MGF CHIP 1/16W 1.5K ( D,E,F )	
R773	ERJ3GEYJ823V	MGF CHIP 1/16W 82K ( D,E,F )	
R774	ERJ3GEYJ102V	MGF CHIP 1/16W 1K ( D,E,F )	
R776	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K ( D,E,F )	
R777	ERJ3GEYJ154V	MGF CHIP 1/16W 150K ( D,E,F )	
R779	ERJ3GEYJ124V	MGF CHIP 1/16W 120K ( D,E,F )	
R791	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K ( D,E,F )	
R792	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K ( D,E,F )	
R793	ERJ3GEYJ332V	MGF CHIP 1/16W 3.3K ( D,E,F )	
R794	ERJ3GEYJ152V	MGF CHIP 1/16W 1.5K ( D,E,F )	
R795	ERJ3GEYJ393V	MGF CHIP 1/16W 39K ( D,E,F )	
R796	ERJ3GEYJ154V	MGF CHIP 1/16W 150K ( D,E,F )	
R797	ERJ3GEYJ154V	MGF CHIP 1/16W 150K ( D,E,F )	
R798	ERJ3GEYJ101V	MGF CHIP 1/16W 100 ( D,E,F )	
R799	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K ( D,E,F )	
		MOL CHIE I/ION T./K ( D/E/F )	

#### CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C401	F2A1H2R20020	ELECTROLYTIC 50V 2.2UF (A,B,C)	
C401	F2A1HR330007	ELECTROLYTIC 50V 0.33UF (D,E,F)	
C402	F2A1C4710038	ELECTROLYTIC 16V 470UF	
C408	ECA1HGE010KB	ELECTROLYTIC 50V 1UF	
C409	F2A1V2210038	ELECTROLYTIC 35V 220UF	
C413	ECQB1H104KF	POLYESTER 50V 0.1UF ( A,B,C )	

Ref.	Part No.	Part Name & Description	Remarks
No. C413	ECQB1104JF3	POLYESTER 200V 0.10UF ( D,E,F	
C414	F2A1E1020038	ELECTROLYTIC 25V 1000PF (	
		A,B,C )	
C414	F2A1E2220028	ELECTROLYTIC 25V 2200UF (D,E,F)	
C418	F2A1V3310028	ELECTROLYTIC 35V 330UF (A,B,C)	
C418	ECA1VM471B	ELECTROLYTIC 35V 470UF (D,E,F)	
C458	ECQB1H103KF3	POLYESTER 50V 0.01UF	
C460	F2A1H1R00039	ELECTROLYTIC 50V 1UF ( D,E,F)	
C510	ECKR3A102KBP	CERAMIC 1KV 1000PF ( A,B,C )	
C510	F1B3D681A011	CERAMIC 2KV 680PF ( D,E,F )	
C513	ECEA1VKA470B	ELECTROLYTIC 35V 47UF	
C521	F2A1H1000034	ELECTROLYTIC 50V 10UF	
C523	F2A1H1000034	ELECTROLYTIC 50V 10UF	
C524	ECKR3D222KBP	CERAMIC 2KV 2200PF ( D,E,F )	Δ
C525	ECKR3D152KBP	CERAMIC 2KV 1500PF ( D,E,F )	$\triangle$
C526	ECQB1H473KF3	POLYESTER 50V 0.047UF ( D,E,F	
C552	ECWH16103JVB	POLYESTER 1600V 0.01UF (D,E,F)	
C554	ECQF4393JZH	CERAMIC 400V 0.39UF ( D,E,F )	
C555	ECWH16912JVB	POLYESTER 1600V 9100PF (A,B,C)	Δ
C555	ECWH20472JVB	POLYESTER 2000V 4700PF (D,E,F)	Δ
C556	ECWF2244JBB	POLYESTER 250V 0.24UF ( A,B,C	
C556	ECWF2394JSB	POLYESTER 250V 0.39UF ( D,E,F	
C558	F2A1V3310028	ELECTROLYTIC 35V 330UF (A,B,C)	
C558	F2A1V1020033	ELECTROLYTIC 35V 1000UF (D,E,F)	
C560	ECA2EM100B	ELECTROLYTIC 250V 10UF	$\triangle$
C561	F2A1H4R70026	ELECTROLYTIC 50V 4.7UF	
C562	F2A1H2R20023	ELECTROLYTIC 50V 2.2UF (D,E,F)	
C563	F1B3D681A011	CERAMIC 2KV 680PF ( D,E,F )	
C575	F2A2D3300010	ELECTROLYTIC 200V 33UF	
C576	ECKW3D681KBP	CERAMIC 2KV 680PF ( A,B,C )	Δ
C576	ECKW3D271KBP	CERAMIC 2KV 270PF ( D,E,F )	$\triangle$
C703	ECQE1685KFB	POLYESTER 100V 0.68UF ( D,E,F	
C704	ECQE2474KFB	POLYESTER 250V 0.47 ( D,E,F )	
C761	F1H1H103A220	C CHIP 50V 0.01UF ( D,E,F )	
C762	F2A1C100A217	ELECTROLYTIC 16V 10UF ( D,E,F	
	1		
C764	F1H1H102A219	IC CHIP 200 IOOOPE ( D.E.E.)	
C764 C765	F1H1H102A219 F2A1HR330007	C CHIP 50V 1000PF ( D,E,F )  ELECTROLYTIC 50V 0.33UF (	
C765	F2A1HR330007	ELECTROLYTIC 50V 0.33UF (D,E,F)	
C765 C767	F2A1HR330007 F1J1C2240007	ELECTROLYTIC 50V 0.33UF (D,E,F) C CHIP 16V 0.22UF (D,E,F)	
C765 C767 C768	F2A1HR330007 F1J1C2240007 F1H1H392A219	ELECTROLYTIC 50V 0.33UF (D,E,F) C CHIP 16V 0.22UF (D,E,F) C CHIP 50V 3900PF (D,E,F)	
C765 C767 C768 C792	F2A1HR330007 F1J1C2240007 F1H1H392A219 ECJ1VB1E104K	ELECTROLYTIC 50V 0.33UF (D,E,F) C CHIP 16V 0.22UF (D,E,F) C CHIP 50V 3900PF (D,E,F) C CHIP 25V 0.1UF (D,E,F)	
C765 C767 C768	F2A1HR330007 F1J1C2240007 F1H1H392A219	ELECTROLYTIC 50V 0.33UF (D,E,F) C CHIP 16V 0.22UF (D,E,F) C CHIP 50V 3900PF (D,E,F)	

#### COILS

Ref.	Part No.	Part Name & Description	Remarks
No.			
L551	ELH5L6141	COIL ( D,E,F )	$\triangle$
L552	J0JKA0000015	COIL ( D,E,F )	
L554	ELH5L4149	COIL ( A,B,C )	$\triangle$
L554	ELH5L8106	COIL ( D,E,F )	$\triangle$
L701	ELC18B471L	COIL ( D,E,F )	
L704	G0C682JA0040	COIL 6.8MH ( D,E,F )	

#### PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P501	K1MN13A00049	CONNECTOR 13P	
P502	K1KA02A00593	CONNECTOR 2P	

Ref.	Part No.	Part Name & Description	Remarks
No.			
P503	K1MP06A00004	CONNECTOR 6P ( D,E,F )	
P504	K1MP04A00013	CONNECTOR 4P ( A,B,C )	

#### TRANSFORMER

Ref.	Part No.	Part Name & Description	Remarks
T501	ETH09K8AZ	TRANSFORMER ( A.B.C )	
T501	ETH19Y70AY	TRANSFORMER ( D,E,F )	
T551	G4G5K0000001	TRANSFORMER ( A,B,C )	Δ
T551	G4G6L0000003	TRANSFORMER ( D,E,F )	Δ

#### MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
151	TMM77408	CLAMPER	
470	XTV3+10GFJ	TAPPING SCREW, STEEL	
483	XYN3+F10FJ	SCREW W/WASHER, STEEL	
728	LUS63008A	HEAT SINK ( A,B,C )	
728	LSSC0254	HEAT SINK ( D,E,F )	
760	TUC77628	HEAT SINK	
794	TUC15776	HEAT SINK ( D,E,F )	

## 12.3.4. CRT C.B.A.

(Models: A, B, C)

#### **COMPARISON CHART OF MODELS & MARKS**

MODEL	MARK
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	Е
PV-DF275	F

## TRANSISTORS

Ref.	Part No.	Part Name & Description	Remarks
No.			
Q351	2SC3063000RL	TRANSISTOR SI NPN	
or Q351	B1BAAN000034	TRANSISTOR SI NPN	
or Q351	B1BAAN000035	TRANSISTOR SI NPN	
Q352	2SC3063000RL	TRANSISTOR SI NPN	
or Q352	B1BAAN000034	TRANSISTOR SI NPN	
or Q352	B1BAAN000035	TRANSISTOR SI NPN	
Q353	2SC3063000RL	TRANSISTOR SI NPN	
or Q353	B1BAAN000034	TRANSISTOR SI NPN	
or Q353	B1BAAN000035	TRANSISTOR SI NPN	·

#### DIODES

Ref.	Part No.	Part Name & Description	Remarks
No.			
D351	MAZ41500MF	DIODE ZENER 15V	
or D351	B0BA01400041	DIODE ZENER 15V	

## RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R351	ERG2ANJ153H	METAL OXIDE 2W 15K	
R352	ERG2ANJ153H	METAL OXIDE 2W 15K	
R353	ERG2ANJ153H	METAL OXIDE 2W 15K	
R354	ERD25TJ272	CARBON 1/4W 2.7K	
R355	ERD25TJ272	CARBON 1/4W 2.7K	
R356	ERD25TJ272	CARBON 1/4W 2.7K	
R357	ERDS2TJ392	CARBON 1/4W 3.9K	
R358	ERDS2TJ392	CARBON 1/4W 3.9K	
R359	ERDS2TJ392	CARBON 1/4W 3.9K	
R360	ERDS2TJ391	CARBON 1/4W 390	
R361	ERDS2TJ391	CARBON 1/4W 390	
R362	ERDS2TJ391	CARBON 1/4W 390	

Ref. No.	Part No.	Part Name & Description	Remarks
R363	ERDS2TJ121	CARBON 1/4W 120	
R364	ERDS2TJ121	CARBON 1/4W 120	
R365	ERDS2TJ121	CARBON 1/4W 120	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C351	F1D1H471A012	CERAMIC 50V 470PF	
C352	F1D1H471A012	CERAMIC 50V 470PF	
C353	F1D1H561A012	CERAMIC 50V 560PF	
C354	F1B3D1020008	CERAMIC 2KV 1000PF	
C357	F2A1C220A217	ELECTROLYTIC 16V 22UF	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P351	LSJWD4S460AC	CONNECTOR CABLE W/OUT PLUG	
P352	LSJWE4S390AC	CONNECTOR CABLE W/OUT PLUG	
P353	K3B09CA00005	CRT SOCKET	

MISCELLANEOUS

Ref.	Part No.	Part Name & Description	Remarks
No.			
272	TMM77412	CLAMPER	

#### 12.3.5. CRT C.B.A.

(Models: D, E, F)

#### **COMPARISON CHART OF MODELS & MARKS**

MODEL	MARK
PV-DF2035	Α
PV-DF2035-K	В
PV-DF205	С
PV-DF2735	D
PV-DF2735-K	E
PV-DF275	F

**TRANSISTORS** 

Ref. Part No.		Part Name & Description	Remarks
1	Part No.	Part Name & Description	Remarks
No.			
Q351	2SC3063000RL	TRANSISTOR SI NPN	
or Q351	B1BAAN000034	TRANSISTOR SI NPN	
or Q351	B1BAAN000035	TRANSISTOR SI NPN	
Q352	2SC3063000RL	TRANSISTOR SI NPN	
or Q352	B1BAAN000034	TRANSISTOR SI NPN	
or Q352	B1BAAN000035	TRANSISTOR SI NPN	
Q353	2SC3063000RL	TRANSISTOR SI NPN	
or Q353	B1BAAN000034	TRANSISTOR SI NPN	
or Q353	B1BAAN000035	TRANSISTOR SI NPN	
Q354	2SC3311AHA	TRANSISTOR SI NPN	
Q355	2SC3311AHA	TRANSISTOR SI NPN	
Q356	2SC3311AHA	TRANSISTOR SI NPN	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D351	MAZ41500MF	DIODE ZENER 15V	
or D351	B0BA01400041	DIODE ZENER 15V	

RESISTORS

Ref.	Part No.	Part Name & Description	Remarks
No.			
R351	ERG2ANJ153H	METAL OXIDE 2W 15K	
R352	ERG2ANJ153H	METAL OXIDE 2W 15K	
R353	ERG2ANJ153H	METAL OXIDE 2W 15K	
R354	ERD25TJ272	CARBON 1/4W 2.7K	
R355	ERD25TJ272	CARBON 1/4W 2.7K	
R356	ERD25TJ272	CARBON 1/4W 2.7K	
R357	ERDS2TJ332	CARBON 1/4W 3.3K	

Ref.	Part No.	Part Name & Description	Remarks
R358	ERDS2TJ332	CARBON 1/4W 3.3K	
R359	ERDS2TJ332	CARBON 1/4W 3.3K	
R360	ERDS2TJ331	CARBON 1/4W 330	
R361	ERDS2TJ331	CARBON 1/4W 330	
R362	ERDS2TJ331	CARBON 1/4W 330	
R363	ERDS2TJ101	CARBON 1/4W 100	
R364	ERDS2TJ101	CARBON 1/4W 100	
R365	ERDS2TJ101	CARBON 1/4W 100	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C351	F1D1H471A012	CERAMIC 50V 470PF	
C352	F1D1H471A012	CERAMIC 50V 470PF	
C353	F1D1H471A012	CERAMIC 50V 470PF	
C354	F1B3D1020008	CERAMIC 2KV 1000PF	
C357	F2A1C220A217	ELECTROLYTIC 16V 22UF	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P351	LSJWD4S540AC	CONENECTOR CABLE W/OUT PLUG	
P352	LSJWE6S390AC	CONENECTOR CABLE W/OUT PLUG	
P360	K3B09CA00005	CRT SOCKET	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
96	TMM7464-1	CLAMPER	

## 12.3.6. DVD MAIN C.B.A.

INTEGRATED CIRCUITS

INTEGRATED CIRCUITS			
Ref. No.	Part No.	Part Name & Description	Remarks
IC8001	MN2DS03VP1H	IC, SYSTEM LSI	E.S.D. MKI
IC8002	LSSK0058	IC, 16M FLASH MEMORY	E.S.D. MKI
IC8003	C3ABPG000142	IC, 64M D RAM	E.S.D. MKI
or IC8003	C3ABPG000133	IC, 64M SDRAM	E.S.D. MKI
IC8004	LSSK0056	IC, 4K EEP ROM	E.S.D. MKI
IC8005	C0DBEZG00017	IC, LINEAR	MKI
IC8501	C0FBBK000035	IC, LINEAR	MKI
IC8503	C0ABBB000256	IC, LINEAR	MKI
IC8801	C0GBG0000054	IC, LINEAR	MKI

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q8401	2SB1218A0L	TRANSISTOR SI PNP CHIP	MKI
or Q8401	B1ADCF000063	TRANSISTOR SI PNP CHIP	MKI
or Q8401	B1ADCF000075	TRANSISTOR SI PNP CHIP	MKI
Q8402	2SB1218A0L	TRANSISTOR SI PNP CHIP	MKI
or Q8402	B1ADCF000063	TRANSISTOR SI PNP CHIP	MKI
or Q8402	B1ADCF000075	TRANSISTOR SI PNP CHIP	MKI
Q8403	2SB1218A0L	TRANSISTOR SI PNP CHIP	MKI
or Q8403	B1ADCF000063	TRANSISTOR SI PNP CHIP	MKI
or Q8403	B1ADCF000075	TRANSISTOR SI PNP CHIP	MKI
Q8404	2SB1218A0L	TRANSISTOR SI PNP CHIP	MKI
or Q8404	B1ADCF000063	TRANSISTOR SI PNP CHIP	MKI
or Q8404	B1ADCF000075	TRANSISTOR SI PNP CHIP	MKI
Q8501	UNR511500L	TRANSISTOR SI PNP CHIP	MKI
or Q8501	B1GDCFJA0017	TRANSISTOR SI PNP CHIP	MKI
or Q8501	B1GDCFJJ0025	TRANSISTOR SI PNP CHIP	MKI

Ref.	Part No.	Part Name & Description	Remarks
Q8502	UNR521500L	TRANSISTOR SI NPN CHIP	MKI
or Q8502	B1GBCFJA0006	TRANSISTOR SI NPN CHIP	MKI
or Q8502	B1GBCFJA0013	TRANSISTOR SI NPN CHIP	MKI
Q8503	UNR521500L	TRANSISTOR SI NPN CHIP	MKI
or Q8503	B1GBCFJA0006	TRANSISTOR SI NPN CHIP	MKI
or Q8503	B1GBCFJA0013	TRANSISTOR SI NPN CHIP	MKI
Q8504	UNR521500L	TRANSISTOR SI NPN CHIP	MKI
or Q8504	B1GBCFJA0006	TRANSISTOR SI NPN CHIP	MKI
or Q8504	B1GBCFJA0013	TRANSISTOR SI NPN CHIP	MKI
Q8505	UNR521500L	TRANSISTOR SI NPN CHIP	MKI
or Q8505	B1GBCFJA0006	TRANSISTOR SI NPN CHIP	MKI
or Q8505	B1GBCFJA0013	TRANSISTOR SI NPN CHIP	MKI
Q8901	2SD1819A0L	TRANSISTOR SI NPN CHIP	MKI
or Q8901	B1ABCF000020	TRANSISTOR SI NPN CHIP	MKI
Q8902	2SD1819A0L	TRANSISTOR SI NPN CHIP	MKI
or Q8902	B1ABCF000020	TRANSISTOR SI NPN CHIP	MKI
Q8903	2SB0709A0L	TRANSISTOR SI PNP CHIP	MKI
or Q8903	B1ADCC000004	TRANSISTOR SI PNP CHIP	MKI
or Q8903	B1ADCF000001	TRANSISTOR SI PNP CHIP	MKI
or Q8903	B1ADCF000077	TRANSISTOR SI PNP CHIP	MKI
Q8904	2SB0709A0L	TRANSISTOR SI PNP CHIP	MKI
or Q8904	B1ADCC000004	TRANSISTOR SI PNP CHIP	MKI
or Q8904	B1ADCF000001	TRANSISTOR SI PNP CHIP	MKI
or Q8904	B1ADCF000077	TRANSISTOR SI PNP CHIP	MKI
Q8905	UNR521100L	TRANSISTOR SI NPN CHIP	MKI
or Q8905	B1GBCFJJ0001	TRANSISTOR SI NPN CHIP	MKI
or Q8905	B1GBCFJJ0007	TRANSISTOR SI NPN CHIP	MKI
or Q8905	B1GBCFJJ0035	TRANSISTOR SI NPN CHIP	MKI
Q8906	UNR511500L	TRANSISTOR SI PNP CHIP	MKI
or Q8906	B1GDCFJA0017	TRANSISTOR SI PNP CHIP	MKI
or Q8906	B1GDCFJJ0025	TRANSISTOR SI PNP CHIP	MKI

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	DIODES				
Ref. No.	Part No.	Part Name & Description	Remarks		
D8001	MA2J111008	DIODE SI CHIP	MKI		
or D8001	B0ACCK000005	DIODE SI CHIP	MKI		
or D8001	MA2J11100L	DIODE SI CHIP	MKI		

#### RESISTORS

Ref.	Part No.	Part Name & Description	Remarks
No.			
R8001	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI
R8004	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	MKI
R8005	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	MKI
R8006	EXB38V820JV	ARRAY CHIP 82	MKI
R8007	EXB38V820JV	ARRAY CHIP 82	MKI
R8008	EXB38V820JV	ARRAY CHIP 82	MKI
R8009	ERJ3GEYJ472V	MGF CHIP 1/16W 4.7K	MKI
R8010	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	MKI
R8015	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	MKI
R8016	ERJ3GEYJ221V	MGF CHIP 1/16W 220	MKI
R8017	ERJ3GEYJ221V	MGF CHIP 1/16W 220	MKI
R8019	ERJ3GEYJ183V	MGF CHIP 1/16W 18K	MKI
R8020	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	MKI

Ref.	Part No.	Part Name & Description	Remarks
No. R8021	ERJ3GEYJ183V	MGF CHIP 1/16W 18K	MKI
R8023	ERJ3GEYJ103V	MGF CHIP 1/16W 16K	MKI
R8024	EXB38V820JV	ARRAY CHIP 82	MKI
R8025	ERJ3GEYJ271V	MGF CHIP 1/16W 270	MKI
R8026	ERJ3GEYJ271V	MGF CHIP 1/16W 270	MKI
R8027	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	MKI
R8028	ERJ3GEYJ271V	MGF CHIP 1/16W 270	MKI
R8029	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI
R8030	ERJ3GEYJ270V	MGF CHIP 1/16W 27	MKI
R8033	ERJ3GEYJ103V	MGF CHIP 1/16W 10K	MKI
R8034	EXB38V820JV	ARRAY CHIP 82	MKI
R8035	EXB38V820JV	ARRAY CHIP 82	MKI
R8036	EXB38V820JV	ARRAY CHIP 82	MKI
R8037	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	MKI
R8038	ERA3YED273V	MGF CHIP 1/16W 27K	MKI
R8039	ERJ3GEYJ105V	MGF CHIP 1/16W 1M	MKI
R8040	ERJ3GEYJ330V	MGF CHIP 1/16W 33	MKI
R8041	ERA3YED221V	MGF CHIP 1/16W 220	MKI
R8042 R8043	ERJ3GEYJ330V ERA3YED332V	MGF CHIP 1/16W 33 MGF CHIP 1/16W 3.3K	MKI
R8044	ERASTEDSS2V ERASYED151V	MGF CHIP 1/16W 3.3K	MKI
R8046	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	MKI
R8047	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	MKI
R8048	ERA3YED822V	MGF CHIP 1/16W 8.2K	MKI
R8049	ERJ3GEYJ101V	MGF CHIP 1/16W 100	MKI
R8051	EXB38V820JV	ARRAY CHIP 82	MKI
R8052	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	MKI
R8053	ERJ3GEYJ822V	MGF CHIP 1/16W 8.2K	MKI
R8056	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI
R8057	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI
R8058	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI
R8059	ERJ1TYJ4R7U	MGF CHIP 1W 4.7	MKI
R8060	ERA3YED103V	MGF CHIP 1/16W 10K	MKI
R8061	ERA3YED202V	MGF CHIP 1/16W 2K	MKI
R8065	ERJ3GEYJ6R8V	MGF CHIP 1/16W 6.8	MKI
R8066	ERJ3GEYJ101V	MGF CHIP 1/16W 100	MKI
R8067 R8068	ERJ3GEYJ101V ERJ3GEYJ101V	MGF CHIP 1/16W 100 MGF CHIP 1/16W 100	MKI
R8071	ERJ3GEYJ223V	MGF CHIP 1/16W 100 MGF CHIP 1/16W 22K	MKI
R8401	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI
R8402	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI
R8403	ERA3YED102V	MGF CHIP 1/16W 1K	MKI
R8404	ERA3YED102V	MGF CHIP 1/16W 1K	MKI
R8405	ERA3YED302V	MGF CHIP 1/16W 3K	MKI
R8406	ERA3YED302V	MGF CHIP 1/16W 3K	MKI
R8409	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI
R8410	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI
R8418	ERA3YED181V	MGF CHIP 1/16W 180	MKI
R8419	ERA3YED181V	MGF CHIP 1/16W 180	MKI
R8420	ERJ3GEYJ121V	MGF CHIP 1/16W 120	MKI
R8421	ERJ3GEYJ560V	MGF CHIP 1/16W 56	MKI
R8422	ERJ3GEYJ560V	MGF CHIP 1/16W 56	MKI
R8423	ERA3YHD750V	MGF CHIP 1/16W 75	MKI
R8424	ERA3YHD750V ERJ3GEYJ680V	MGF CHIP 1/16W 75	MKI
R8425 R8426	ERJ3GEYJ330V	MGF CHIP 1/16W 68 MGF CHIP 1/16W 33	MKI
R8427	ERJ3GEYJ330V	MGF CHIP 1/16W 33	MKI
R8501	ERJ3GEYJ223V	MGF CHIP 1/16W 23K	MKI
R8502	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	MKI
R8503	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	MKI
R8504	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	MKI
R8518	ERJ3GEYF822V	MGF CHIP 1/16W 8.2K	MKI
R8520	ERJ3GEYF822V	MGF CHIP 1/16W 8.2K	MKI
R8533	ERJ3GEYF163V	MGF CHIP 1/16W 16K	MKI
R8534	ERJ3GEYJ622V	MGF CHIP 1/16W 6.2K	MKI
R8535	ERJ3GEYF163V	MGF CHIP 1/16W 16K	MKI
R8536	ERJ3GEYJ622V	MGF CHIP 1/16W 6.2K	MKI
R8557	ERJ3GEYJ471V	MGF CHIP 1/16W 470	MKI
R8558	ERJ3GEYJ471V	MGF CHIP 1/16W 470	MKI
R8565	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	MKI
R8566	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI
R8567	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	MKI
R8568	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI

Ref.	Part No.	Doub Name & Description	Remarks
No.	Part No.	Part Name & Description	Remarks
R8572	ERJ3GEYJ222V	MGF CHIP 1/16W 2.2K	MKI
R8573	ERJ3GEY0R00V	MGF CHIP 1/16W 0	MKI
R8801	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	MKI
R8802	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	MKI
R8804	ERJ3GEYJ823V	MGF CHIP 1/16W 82K	MKI
R8805	ERJ3GEYJ823V	MGF CHIP 1/16W 82K	MKI
R8902	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	MKI
R8903	ERJ3GEYJ223V	MGF CHIP 1/16W 22K	MKI
R8904	ERJ3GEYJ821V	MGF CHIP 1/16W 820	MKI
R8905	ERJ3GEYJ331V	MGF CHIP 1/16W 330	MKI
R8906	ERJ3GEYJ821V	MGF CHIP 1/16W 820	MKI
R8907	ERJ3GEYJ331V	MGF CHIP 1/16W 330	MKI
R8908	ERJ3GEYJ560V	MGF CHIP 1/16W 56	MKI
R8909	ERJ3GEYJ560V	MGF CHIP 1/16W 56	MKI
R8910	ERJ12YJ270U	MGF CHIP 1/2W 27	MKI
R8911	ERJ12YJ270U	MGF CHIP 1/2W 27	MKI
R8912	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	MKI
R8913	ERJ3GEYJ473V	MGF CHIP 1/16W 47K	MKI
R8914	ERJ3GEYJ153V	MGF CHIP 1/16W 15K	MKI
R8917	ERJ3GEYJ100V	MGF CHIP 1/16W 10	MKI
R8918	ERJ3GEYJ100V	MGF CHIP 1/16W 10	MKI
R8919	ERJ3GEYJ3R9V	MGF CHIP 1/16W 3.9	MKI
R8920	ERJ3GEYJ102V	MGF CHIP 1/16W 1K	MKI

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CAPACITORS			
Ref. No.	Part No.	Part Name & Description	Remarks
C8001	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8002	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8003	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	MKI
C8004	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8006	F1H1H103A219	C CHIP 50V 0.01UF	MKI
C8007	F1H1C104A041	C CHIP 16V 0.1UF	MKI
C8008	F1H1C104A041	C CHIP 16V 0.1UF	MKI
C8009	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8010	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8011	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8012	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8013	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8014	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8015	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8016	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8017	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8018	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	MKI
C8019	F1H1C104A041	C CHIP 16V 0.1UF	MKI
C8020	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8021	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8022	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8023	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8024	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8025	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8026	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8027	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8028	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8029	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8030	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8031	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8032	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8033	ECJ1VB1E333K	C CHIP 25V 0.033UF	MKI
C8034	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8035	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8036	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8037	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8038	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8039	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8040	F1H1H562A219	C CHIP 50V 5600PF	MKI
C8041	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8042	F1H1E183A029	C CHIP 25V 0.018UF	MKI
C8043	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8044	F1H1C104A041	C CHIP 16V 0.1UF	MKI
C8045	F1H1C104A041	C CHIP 16V 0.1UF	MKI
C8046	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8047	F1H1C104A041	C CHIP 16V 0.1UF	MKI
C8048	F1H1C104A041	C CHIP 16V 0.1UF	MKI

		V-DF2033 / FV-DF273 / FV-DF2733 / FV-DF20	
Ref.	Part No.	Part Name & Description	Remarks
No. C8049	F1H1C104A041	C CHIP 16V 0.1UF	MKI
C8050	F1H1C104A041	C CHIP 16V 0.1UF	MKI
C8051	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8052	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8053	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8054	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8055	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8056	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8057	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8058	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8059	ECJ1VC1H330J	C CHIP 50V 33PF	MKI
C8060	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8061	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8062	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8063	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8064	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8065	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8066	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8067	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8068	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8069	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8070	F1H0J1050012	C CHIP 6.3V 1UF	MKI
C8071	ECJ2FB0J106K	C CHIP 6.3V 10UF	MKI
C8072	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	MKI
C8073	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	MKI
C8074	F1H1H102A219	C CHIP 50V 0.001UF	MKI
C8075	F1H1C104A041	C CHIP 16V 0.1UF	MKI
C8076	F1H1H5R0A242	C CHIP 50V 5PF	MKI
C8077	ECJ1VC1H150J	C CHIP 50V 15PF	MKI
C8078	ECJ1VC1H150J	C CHIP 50V 15PF	MKI
C8080	F1H1H102A219	C CHIP 50V 0.001UF	MKI
C8081	F1H1H102A219	C CHIP 50V 0.001UF	MKI
C8082	F1H1H102A219	C CHIP 50V 0.001UF	MKI
C8083	F1H1H102A219	C CHIP 50V 0.001UF	MKI
C8086	F2A1C1000035	ELECTROLYTIC 16V 10UF	MKI
C8090	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	MKI
C8091	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	MKI
C8091 C8401	F2A0J1010041 F2A0J1010041	ELECTROLYTIC 6.3V 100UF ELECTROLYTIC 6.3V 100UF	MKI MKI
C8401	F2A0J1010041	ELECTROLYTIC 6.3V 100UF	MKI
C8401 C8402	F2A0J1010041 F1H0J1050012	ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF	MKI MKI
C8401 C8402 C8403	F2A0J1010041 F1H0J1050012 ECEA0JKA331	ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF	MKI MKI
C8401 C8402 C8403 C8404	F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012	ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF	MKI MKI MKI
C8401 C8402 C8403 C8404 C8412	F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041	ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF	MKI MKI MKI MKI
C8401 C8402 C8403 C8404 C8412 C8413	F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012	ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF	MKI MKI MKI MKI MKI
C8401 C8402 C8403 C8404 C8412 C8413	F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 F1H0J1050012	ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF	MKI MKI MKI MKI MKI MKI
C8401 C8402 C8403 C8404 C8412 C8413 C8414 C8415	F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 F1H0J1050012 ECJ1VC1H220J	ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF	MKI MKI MKI MKI MKI MKI MKI MKI
C8401 C8402 C8403 C8404 C8412 C8413 C8414 C8415 C8416	F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 F1H0J1050012 ECJ1VC1H220J ECJ1VC1H220J	ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 22PF	MKI >C8402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MKI 402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417 C8418 C8419 C8420                                                                                                                         | F2A0J1010041<br>F1H0J1050012<br>ECEA0JKA331<br>F1H0J1050012<br>F2A0J1010041<br>F1H0J1050012<br>F1H0J1050012<br>ECJ1VC1H220J<br>ECJ1VC1H220J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H390J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MKI 402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417 C8418 C8419 C8420 C8421                                                                                                                   | F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 ECJ1VC1H220J ECJ1VC1H220J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MKI 402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417 C8418 C8419 C8420 C8421 C8422                                                                                                             | F2A0J1010041<br>F1H0J1050012<br>ECEA0JKA331<br>F1H0J1050012<br>F2A0J1010041<br>F1H0J1050012<br>ECJ1VC1H220J<br>ECJ1VC1H220J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H390J<br>ECJ1VC1H220J<br>ECJ1VC1H220J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 22PF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MKI 402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417 C8418 C8419 C8420 C8421 C8422 C8423                                                                                                       | F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 ECJ1VC1H220J ECJ1VC1H220J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 6.3V 1UF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MKI 402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417 C8418 C8419 C8420 C8421 C8422 C8423 C8424                                                                                                 | F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 ECJ1VC1H220J ECJ1VC1H220J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 3PF C CHIP 50V 3PF C CHIP 50V 3PF C CHIP 50V 3PF C CHIP 50V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MKI 402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417 C8418 C8419 C8420 C8421 C8422 C8423 C8424 C8425                                                                                           | F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 ECJ1VC1H220J ECJ1VC1H220J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ELECTROLYTIC 6.3V 100UF C
CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 22PF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 6.3V 1UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MKI 402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417 C8418 C8419 C8420 C8421 C8422 C8423 C8424 C8425 C8504                                                                                     | F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 ECJ1VC1H220J ECJ1VC1H220J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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                                                                        | MKI 402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417 C8418 C8419 C8420 C8421 C8422 C8423 C8424 C8425 C8504 C8505                                                                               | F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 ECJ1VC1H220J ECJ1VC1H220J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J                                                                                                                                                                                                                                                                                      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F1H0J1050012
F2A1C1000035 F1H0J1050012 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 22PF C CHIP 50V 3PF C CHIP 50V 3PF C CHIP 50V 1UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 10V 33UF C CHIP 16V 0.1UF ELECTROLYTIC 10V 33UF C CHIP 50V 100PF C CHIP 50V 0.001UF C CHIP 50V 0.001UF	MKI 402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417 C8418 C8419 C8420 C8421 C8422 C8423 C8424 C8425 C8504 C8505 C8506 C8507 C8508 C8512 C8521 C8522 C8533 C8536 C8537 C8544 C8545 C8553 C8555	F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 F1H0J1050012 ECJ1VC1H220J ECJ1VC1H220J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J F1H0J1050012 F1H0J1050012 F1H0J1050012 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035	ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 22PF C CHIP 50V 3PF C CHIP 50V 3PF C CHIP 50V 3PF C CHIP 50V 1UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF C CHIP 16V 0.1UF ELECTROLYTIC 10V 33UF C CHIP 50V 100PF C CHIP 50V 0.001UF C CHIP 50V 0.001UF C CHIP 50V 4700PF C CHIP 50V 4700PF	MKI  MKI  MKI  MKI  MKI  MKI  MKI  MKI			
| C8401 C8402 C8403 C8404 C8412 C8413 C8414 C8415 C8416 C8417 C8418 C8419 C8420 C8421 C8422 C8423 C8424 C8504 C8505 C8506 C8507 C8508 C8512 C8521 C8522 C8523 C8523 C8536 C8537 C8544 C8545 C8553       | F2A0J1010041 F1H0J1050012 ECEA0JKA331 F1H0J1050012 F2A0J1010041 F1H0J1050012 F1H0J1050012 ECJ1VC1H220J ECJ1VC1H220J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J ECJ1VC1H390J F1H0J1050012 F1H0J1050012 F1H0J1050012 F2A0J1010041 F1H0J1050012 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035 F2A1C1000035                                                                                                         | ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 330UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 50V 22PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 39PF C CHIP 50V 22PF C CHIP 50V 3PF C CHIP 50V 3PF C CHIP 50V 1UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF C CHIP 6.3V 1UF ELECTROLYTIC 6.3V 100UF C CHIP 6.3V 1UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 10V 33UF C CHIP 16V 0.1UF ELECTROLYTIC 10V 33UF C CHIP 50V 100PF C CHIP 50V 0.001UF C CHIP 50V 0.001UF                                                                                                                      | MKI >No. | Part No.     | Part Name & Description | Remarks |
|-------------|--------------|-------------------------|---------|
| C8569       | F2A1C1000035 | ELECTROLYTIC 16V 10UF   | MKI     |
| C8803       | F1H0J1050012 | C CHIP 6.3V 1UF         | MKI     |
| C8805       | F1H1A105A028 | C CHIP 10V 1UF          | MKI     |
| C8807       | ECJ3YF1A106Z | C CHIP 10V 10UF         | MKI     |
| C8808       | F2A1A3300014 | ELECTROLYTIC 10V 33UF   | MKI     |
| C8809       | F1H1C104A041 | C CHIP 16V 0.1UF        | MKI     |
| C8813       | F1H1A105A028 | C CHIP 10V 1UF          | MKI     |
| C8901       | F1H0J1050012 | C CHIP 6.3V 1UF         | MKI     |
| C8905       | F1H1C104A041 | C CHIP 16V 0.1UF        | MKI     |
| C8907       | F1H1C104A041 | C CHIP 16V 0.1UF        | MKI     |
| C8908       | F2A0J4700014 | ELECTROLYTIC 6.3V 47UF  | MKI     |
| C8909       | F2A0J4700014 | ELECTROLYTIC 6.3V 47UF  | MKI     |
| C8911       | F1H1H102A219 | C CHIP 50V 0.001UF      | MKI     |
| C8917       | ECJ2FB0J106K | C CHIP 6.3V 10UF        | MKI     |
| C8920       | F1H0J1050012 | C CHIP 6.3V 1UF         | MKI     |
| C8921       | ECJ1VC1H560J | C CHIP 50V 56PF         | MKI     |
| C8922       | ECJ1VC1H560J | C CHIP 50V 56PF         | MKI     |
|             |              |                         |         |

**FILTERS** 

Ref. No.	Part No.	Part Name & Description	Remarks
FL8502	J0HAAG000015	EMI FILTER CHIP	MKI

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COILS			
Ref. No.	Part No.	Part Name & Description	Remarks
L8001	J0JCC0000117	EMI FILTER CHIP	MKI
L8002	J0JDC0000002	EMI FILTER CHIP	MKI
L8005	J0JDC0000002	EMI FILTER CHIP	MKI
L8006	J0JCC0000215	EMI FILTER CHIP	MKI
L8007	J0JDC0000002	EMI FILTER CHIP	MKI
L8008	J0JDC0000002	EMI FILTER CHIP	MKI
L8009	J0JDC0000002	EMI FILTER CHIP	MKI
L8010	J0JHC0000027	EMI FILTER CHIP	MKI
L8011	J0JCC0000215	EMI FILTER CHIP	MKI
L8012	J0JCC0000215	EMI FILTER CHIP	MKI
L8013	J0JCC0000215	EMI FILTER CHIP	MKI
L8014	J0JCC0000063	EMI FILTER CHIP	MKI
L8015	J0JCC0000063	EMI FILTER CHIP	MKI
L8016	J0JCC0000063	EMI FILTER CHIP	MKI
L8017	J0JCC0000063	EMI FILTER CHIP	MKI
L8018	J0JCC0000063	EMI FILTER CHIP	MKI
L8019	J0JCC0000215	EMI FILTER CHIP	MKI
L8020	J0JCC0000215	EMI FILTER CHIP	MKI
L8021	J0JCC0000215	EMI FILTER CHIP	MKI
L8401	J0JDC0000002	EMI FILTER CHIP	MKI
L8402	G1C270MA0021	COIL CHIP 27UH	MKI
L8403	G1C270MA0021	COIL CHIP 27UH	MKI
L8404	G1C330MA0021	COIL CHIP 33UH	MKI
L8405	G1C330MA0021	COIL CHIP 33UH	MKI
L8406	G1C270MA0021	COIL CHIP 27UH	MKI
L8407	G1C270MA0021	COIL CHIP 27UH	MKI
L8408	J0JDC0000002	EMI FILTER CHIP	MKI
L8411	ERJ3GEY0R00V	MGF CHIP 1/16W 0	MKI
L8412	J0JHC0000068	EMI FILTER CHIP	MKI
L8413	J0JHC0000078	EMI FILTER CHIP	MKI
L8414	J0JHC0000054	EMI FILTER CHIP	MKI
L8415	J0JHC0000068	EMI FILTER CHIP	MKI
L8416	J0JBC0000010	BEAD INDUCTOR CHIP	MKI
L8418	J0JBC0000010	BEAD INDUCTOR CHIP	MKI
L8419	J0JBC0000010	BEAD INDUCTOR CHIP	MKI
L8420	J0JBC0000010	BEAD INDUCTOR CHIP	MKI
L8421	J0JBC0000010	BEAD INDUCTOR CHIP	MKI
L8422	J0JBC0000010	BEAD INDUCTOR CHIP	MKI
L8424	J0JBC0000010	BEAD INDUCTOR CHIP	MKI
L8429	J0JHC0000078	EMI FILTER CHIP	MKI
L8431	J0JCC0000063	EMI FILTER CHIP	MKI
L8434	J0JCC0000063	EMI FILTER CHIP	MKI
L8438	J0JHC0000054	EMI FILTER CHIP	MKI
L8439	J0JHC0000054	EMI FILTER CHIP	MKI
L8501	J0JBC0000010	BEAD INDUCTOR CHIP	MKI
L8503	J0JBC0000010	BEAD INDUCTOR CHIP	MKI
L8517	J0JCC0000063	EMI FILTER CHIP	MKI
L8518	J0JDC0000002	EMI FILTER CHIP	MKI

Ref. No.	Part No.	Part Name & Description	Remarks
L8901	J0JDC0000002	EMI FILTER CHIP	MKI

CRYSTAL OSCILLATOR

Ref. No.	Part No.	Part Name & Description	Remarks
X8001	н0J270500066	CRYSTAL OSCILLATOR	MKI

PIN HEADERS

Ref.	Part No.	Part Name & Description	Remarks
P8401	K1MN16A00071	CONNECTOR 16P	MKI
P8402	K1MR11A00017	CONNECTOR 11P	MKI
P8901	K1MN25B00070	CONNECTOR 25P	MKI

## 12.3.7. DVD SUB C.B.A.

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW8951	ESE31R01T	SWITCH PUSH	MKI
SW8952	ESE31L01T	SWITCH PUSH	MKI